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Ontario Legislative Assembly

SESSIONAL PAPERS

VOL. LVIII.—PART V.

THIRD SESSION

OF THE

SIXTEENTH LEGISLATURE

OF THE

PROVINCE OF ONTARIO

SESSION 1926

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LIST OF SESSIONAL PAPERS

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Agriculture, Department of (Minister), Report	21	*Printed.*
Agriculture, Department of (Statistics), Report	22	*Printed.*
Agriculture Enquiry Committee, Report	48	*Printed.*
Appointments in Riding of North Ontario	46	*Not Printed.*
Auditor's Report	27	*Printed.*
Children's Protection Act, Report	19	*Printed.*
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Health, Report of Board (Births, Marriages and Deaths)	13–14	(14) *Printed.*
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LIST OF SESSIONAL PAPERS

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No. 1 Public Accounts of the Province for the year ending October 31st, 1925. Presented to the Legislature, March 11th, 1926. *Printed.*

No. 2 Estimates—Supplementary, for the service of the Province for the year ending October 31st, 1926. Presented to the Legislature, March 11th, 1926. *Printed.* Further Supplementary Estimates for the year ending October 31st, 1926. Presented to the House, March 26th, 1926. *Printed.* Estimates for the year ending October 31st, 1927. Presented to the Legislature, March 29th, 1926. *Printed.*

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No. 3 Report of the Department of Lands and Forests for the year 1925. Presented to the Legislature, March 31st, 1926. *Printed.*

No. 4 Report of the Department of Mines for the year 1925. Presented to the Legislature, March 18th, 1926. *Printed.*

No. 5 Report of the Inspector of Legal Offices for the year 1925. Presented to the Legislature, March 12th, 1926. *Printed.*

No. 6 Report of the Superintendent of Insurance for the year 1925. Presented to the Legislature, March 26th, 1926. *Printed.*

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No. 7 Report of the Registrar of Loan Corporations for the year 1925 Presented to the Legislature, March 26th, 1926. *Printed.*

No. 8 Report of the Department of Public Works for the year 1925. Presented to the Legislature, March 18th, 1926. *Printed.*

No. 9 Report of the Department of Game and Fisheries for the year 1925. Presented to the Legislature, March 22nd, 1926. *Printed.*

No. 10 Report of the Department of Labour for the year 1925. Presented to the Legislature, March 18th, 1926. *Printed.*

No. 11 Report of the Department of Education for the year 1925. Presented to the Legislature, March 18th, 1926. *Printed.*

No. 12 Report of the Board of Governors of the University of Toronto for the year 1925. Presented to the Legislature, February 11th, 1926. *Printed.*

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No. 13 Report upon Births, Marriages and Deaths for the year 1925. *Not Printed.*

No. 14 Report of the Provincial Board of Health for the year 1925. Presented to the Legislature, March 16th, 1926. *Printed.*

No. 15 Report respecting the Hospitals for Insane, Feeble-minded and Epileptic. Presented to the Legislature, April 1st, 1926. *Printed.*

No. 16 Report of the Board of Parole for the year 1925. Presented to the Legislature, March 9th, 1926. *Printed.*

No. 17 Report respecting Hospitals and Charitable Institutions for the year 1925. Presented to the Legislature, April 1st, 1926. *Printed.*

No. 18 Report respecting Prisons and Reformatories for the year 1925. Presented to the Legislature, April 1st, 1926. *Printed.*

No. 19 Children, Neglected and Dependent, Report for the year 1925. Presented to the Legislature, March 31st, 1926. *Printed.*

No. 20 Report of the Board of License Commissioners on the operation of the Ontario Temperance Act for the year 1925. Presented to the Legislature, April 1st, 1926. *Printed.*

No. 21 Report of the Department of Agriculture for the year 1925. Presented to the Legislature, March 31st, 1926. *Printed.*

No. 22 Report of Statistics Branch of the Department of Agriculture for the year 1925. Presented to the Legislature, March 31st, 1926. *Printed.*

No. 23 Report of the Temiskaming and Northern Ontario Railway Commission for the year 1925. Presented to the Legislature, March 31st, 1926. *Printed.*

No. 24 Report of the Ontario Railway and Municipal Board for the year 1925. Presented to the Legislature, March 31st, 1926. *Printed.*

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No. 26 Report of the Hydro-Electric Power Commission for the year 1925. Presented to the Legislature, March 31st, 1926. *Printed.*

No. 27 Report of the Provincial Auditor for the year 1924-1925. Presented to the Legislature, March 31st, 1926. *Printed.*

No. 28 Report of the Workmen's Compensation Board for the year 1925. Presented to the Legislature, March 31st, 1926. *Printed.*

No. 29 Report of the Ontario Veterinary College for the year 1925. Presented to the Legislature, March 31st, 1926. *Printed.*

No. 30 Return to an Order of the House, that there be laid before this House a return of the Legislative grants for the year 1925 paid to Rural Public and Separate Schools in the Counties and Districts, and to Urban Public and Separate Schools in the Counties and Districts which, in accordance with the provisions of the amendment to the Schools Act, passed in 1922, were classed as Rural Schools and received grants as such. Presented to the Legislature, February 11th, 1926. Mr. Belanger. *Not Printed.*

No. 31 Copies of the Regulations and Orders-in-Council made under the authority of the Department of Education Act, or of the Acts relating to public schools, separate schools or high schools. Presented to the Legislature, February 16th, 1926. *Not Printed.*

No. 32 Report of the Librarian on the state of the Library for the year 1925. Presented to the Legislature, February 16th, 1926. *Not Printed.*

No. 33 Report of G. T. Clarkson, Esq., appointed by Commission, dated June 5th, 1925, to enquire whether the prices at which gasoline and oils are sold to the people of Ontario are just and fair. Presented to the Legislature, March 7th, 1926. *Not Printed.*

No. 34 Report of the Queen Victoria Niagara Falls Park Commission. Presented to the Legislature, February 22nd, 1926. *Printed.**

No. 35 Return to an Order of the House, dated 3rd April, 1925, That there be laid before the House a Return, showing:—1. What was the total expenditure on account of Provincial Highways from the inception of the Provincial Highways System up to December 31st, 1924. 2. Of the expenditure stated in reply to Question No. 1, what amounts have been refunded to Ontario by (*a*) county municipalities, (*b*) cities, (*c*) by the Dominion Government. 3. Of the expenditure stated in reply to Question No. 1, what amounts have been levied upon but remain unpaid by (*a*) county municipalities, (*b*) cities, and (*c*) the Dominion Government. 4. Of the expenditure stated in reply to Question No. 1, what

*Not bound in Sessional Volumes.

further amounts will be levied upon (*a*) county municipalities, (*b*) cities, (*c*) the Dominion Government. 5. What is the total amount of expenditure on Provincial Highways remaining after all deductions, to be borne by the Provincial Government. 6. Of the expenditure stated in reply to Question No. 1, what amount was expended upon repair and maintenance, as distinguished from construction. 7. Of the expenditure stated in reply to Question No. 1, what amounts have been refunded to Ontario by (*a*) county municipalities, (*b*) cities, and (*c*) by the Dominion Government. 8. Of the expenditure stated in reply to Question No. 6, what amounts have been levied upon, but remain unpaid, by (*a*) county municipalities, (*b*) cities, (*c*) the Dominion Government. 9. Of the expenditure stated in reply to Question No. 6, what further amounts will be levied upon (*a*) county municipalities, (*b*) cities, (*c*) the Dominion Government. 10. What is the total amount of expenditure on Provincial Highways for maintenance remaining after all deductions, to be borne by the Provincial Government. 11. Of the total expenditure by the Government upon highways in the Province of Ontario, what amount has been paid out of current revenue and what amount has been capitalized. 12. During the years 1921, 1922, 1923, what amount of the annual expenditure was paid out of revenue and what amount capitalized. 13. Against the capitalized debt in respect of the expenditure upon roads, have any sums been credited from any source whatsoever; if so, what amounts, from what source. 14. Of the capitalized debt in respect of roads, has there been any scheme or plan to retire this debt by a sinking fund or by annual payments. If so, what is the amount of the annual payment at the present time necessary to retire this debt. If no such plan has been in operation, what would be the annual sum necessary to retire the Government's capital expenditure upon roads, if such plan was adopted and over how many years would such plan run. Presented to the Legislature, February 22nd, 1926. Mr. Wallis. *Not Printed.*

No. 36 Report of the Ontario Athletic Commission for the year 1925. Presented to the Legislature, February 25th, 1926. *Not Printed.*

No. 37 Return to an Order of the House, dated February 20th, 1925, That there be laid before this House a Return showing:—1. What was the maximum available supply of electric power in each of the systems, Niagara System, St. Lawrence System, Rideau System, Ottawa System and the Central Ontario and Trent Systems, as operated under the Hydro-Electric Power Commission for Ontario in each of the years, 1919, 1920, 1921, 1922, 1923 and 1924. 2. What was the total distribution of electrical power by the Hydro-Electric Power Commission for Ontario in each of the said systems for each of said years. 3. What was the total demand upon the Hydro-Electric Power Commission for Ontario for electrical power in each of said systems in each of said years. 4. What further electrical power is procurable by

Hydro-Electric Power Commission for Ontario in each of the above systems when the developments already undertaken or under construction are completed. 5. What is the maximum supply of electrical power procurable by the Hydro-Electric Power Commission for Ontario in each of said systems with the present developments completed and operating to full capacity. 6. What was the total combined supply of electrical power furnished by the Hydro-Electirc Power Commission for Ontario from all of said systems combined in the year 1924. 7. What was the total demands for electrical power upon the Hydro-Electric Power Commission for Ontario in all of said systems combined for the year 1924? 8. What was the total amount of electrical power used through the Hydro-Electric Power Commission for Ontario in all of said systems combined in the year 1924. 9. What additional amount of electrical power is it estimated by the Hydro-Electric Power Commission for Ontario will be procured from the proposed development of power from the St. Lawrence River. 10. What is the estimated cost of the Hydro-Electric Power Commission for Ontario of the proposed power developments contemplated by the Hydro-Electric Power Commission for Ontario on the River St. Lawrence. Presented to the Legislature, March 2nd, 1926. Mr. Sinclair. *Not Printed.*

No. 38 Return to the Order of the House, dated March 6th, 1925, That there be laid before this House a Return, showing what amount has been expended by the Province of Ontario, in (*a*) the provisional electoral district of Algoma; (*b*) the provisional electoral district of Sudbury; (*c*) the provisional electoral district of Sault Ste. Marie; (*d*) the provisional electoral district of Manitoulin, on account of (1) colonization roads, (2) roads under authority of by-laws, (3) trunk roads, (4) work or construction of any other kind, authorized or coming under the Northern or Northwestern Ontario Development Act, in each of the following years: 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923 and 1924; also the provisional electoral district of Nipissing for 1924, and the provisional electoral district of Sturgeon Falls for 1924. Presented to the Legislature, March 2nd, 1926. Mr. Mageau. *Not Printed.*

No. 39 Return to the Order of the House, dated March 20th, 1925, That there be laid before this House a Return, showing:—1. What amount of Provincial bonds has been purchased by the Government since January 1st, 1920. 2. In each purchase of bonds, what was (*a*) the date of purchase; (*b*) the date of maturity of bonds; (*c*) the interest rate of bonds; (*d*) the price paid for the bonds; (*e*) the person or firm through whom the purchase was made. Presented to the Legislature, March 2nd, 1926. Mr. Doherty. *Not Printed.*

No. 40 Return to the Order of the House, dated March 27th, 1925. Order of the House for a Return to be laid before this House showing

all communications, letters and documents of all kinds passing between Mr. Trotter, of Little Current; David Irving, Fish Inspector, Little Current; Mr. Hawkins, of Blind River and the Department of Game and Fisheries, or any other Department of the Government, in connection with the issuing of pound net licenses in White Fish Bay. Presented to the Legislature, March 2nd, 1926. Mr. Sinclair. *Not Printed.*

No. 41 Return to the Order of the House for a Return showing all correspondence, documents, memorandums, petitions or papers of any kind, and in any way relating to the formation of a new union school section out of part of School Section No. 1 in East Whitby Township and part of School Section No. 5 in Darlington Township, now or at any time in the hands of the Minister of Education, or in any part of the Department of Education. Presented to the Legislature, March 4th, 1926. Mr. Sinclair. *Not Printed.*

No. 42 Return to the Order of the House for a Return showing all the information furnished to the Legislature as to the requirements and resources of the electoral districts in the provisional Judicial districts of Ontario by the Legislative Secretary for Northern Ontario, as required of him under "The Legislative Secretary for Northern Ontario Act, 1924," the times at which the same was furnished, and to which Minister the same was furnished, and showing, also, what duties in addition to those required by said Act were imposed upon the Legislative Secretary for Northern Ontario by Order-in-Council, letter or otherwise, the time when same were imposed, and the Report or Reports of the said Legislative Secretary for Northern Ontario upon the performance of the same. Furnished to the Legislature, March 4th, 1926. Mr. Sinclair. *Not Printed.*

No. 43 Copies of Orders-in-Council pursuant to section 73 of The Ontario Insurance Act, 1924. Presented to the Legislature, March 9th, 1926. *Not Printed.*

No. 44 Report on the Distribution of the Revised and Sessional Statutes for the year 1925. Presented to the Legislature, March 17th, 1926. *Not Printed.*

No. 45 Return to the Order of the House, dated March 20th, 1925, that there be laid before this House a Return, showing:—1. What is the amount or amounts paid by the Government of the Province of Ontario since the 1st of January, 1912, to date, to counsel, solicitors and other parties, mentioning the names of such counsel, solicitors and other parties, with the dates of the divers payments so made, in any of the proceedings in the following litigation, *viz.*: (1) *Re* Mackell *vs.* Board of Trustees of the Catholic Separate Schools of the City of Ottawa; (2) Motion to commit chairman of said Board for alleged contempt of Court; (3) Board of Trustees *vs.* The Quebec Bank and the Bank of Ottawa; (4) Board

of Trustees *vs.* The Separate School Commission of Ottawa to have it declared that the Act of the Legislature of Ontario, being 5 George V, chapter 45, be declared *ultra vires;* (5) Board of Trustees *vs.* The Quebec Bank and the Corporation of the City of Ottawa; (6) Board of Trustees *vs.* Bank of Ottawa and others; (7) Board of Trustees *vs.* Quebec Bank and others; (8) Board of Trustees *vs.* Murphy and others; (9) Consolidated case, Board of Trustees *vs.* Quebec Bank and others; (10) Reference to Appellate Division of the Supreme Court of Ontario; (11) Any amount paid by way of fees to counsel or solicitors for preparation and drafting of Act of the Legislature, and more particularly the Act of 5 George V, chapter 45, and 7 George V, chapters 59 and 60; (12) in all proceedings held before the First Division Court of the County of Carleton to garnishee moneys alleged to belong to said Board of Trustees and detained by the Corporation of the City of Ottawa; (13) generally, all sums paid by any of the Departments of the Government of this Province to counsel, solicitors, draughtsmen, agents and other parties in connection with any of the above litigations and matters. Presented to the Legislature, March 15th, 1926. Mr. Belanger. *Not Printed.*

No. 46 Return to the Order of the House, dated March 20th, 1925, that there be laid before this House, a Return showing:—1. What appointments to public positions have been made by the present Government in the riding of North Ontario. 2. Were the appointments so made, or any of them, and, if any of them, which of them, suggested or recommended by Mr. Daniel Watson Walls, the defeated Conservative candidate at the election of June, 1923. Presented to the Legislature, March 15th, 1926. Mr. Widdifield. *Not Printed.*

No. 47 Report of the Minimum Wage Board for the year 1925. Presented to the Legislature, March 16th, 1926. *Printed.*

No. 48 Report of the Agricultural Enquiry Committee on the Marketing of Agricultural Products. Presented to the Legislature, March 17th, 1926. *Printed.*

No. 49 Report of the Fish and Game Committee of the Ontario Legislature. Presented to the Legislature, March 23rd, 1926. *Printed.**

No. 50 Report of the Public Service Superannuation Board for the year 1925. Presented to the Legislature, March 24th, 1926. *Not Printed.*

No. 51 Return to the Order of the House, dated March 26th, 1925, that there be laid before the House, a Return showing:—1. What amounts of money have been paid by the Hydro-Electric Power Commission for fire insurance premiums each year during the past ten fiscal years. 2. What amounts have been received by the Commission during the same period from the insurance companies for losses by fire. 3. What amounts of money have

*Not bound in Sessional Volumes.

been paid by the Province of Ontario for fire insurance premiums each year during the past ten fiscal years. 4. What amounts have been received by the Province of Ontario during the same period from the insurance companies for losses by fire. Presented to the Legislature, March 24th, 1926. Mr. Freeborn. *Not Printed.*

No. 52 Report of the Queen Victoria Niagara Falls Park Commission. Presented to the Legislature, March 26th, 1926. *Printed.**

No. 53 Report of the Department of Northern Development and of the Colonization of Roads Branch for 1926. Presented to the Legislature, March 26th, 1926. *Printed.*

No. 54 Copies of Orders-in-Council in accordance with the provisions of Section 27 of the Department of Education Act. Presented to the Legislature, March 26th, 1926. *Not Printed.*

No. 55 Report of the Secretary and Registrar for the Province for the year 1925. Presented to the Legislature, March 31st, 1926. *Not Printed.*

No. 56 Report of the Commissioner of Provisional Police Force for 1925. Presented to the Legislature, March 31st, 1926. Mr. Sinclair. *Not Printed.*

No. 57 Return to the Order of the House, dated March 5th, 1926, that there be laid before this House a Return, showing an agreement made on or about August 4th, 1922, between the Department of Lands and Forests and George B. Nicholson and Austin Nicholson, in regard to trespasses set out in detail in said agreement and the disposition of the same by adjustment. Presented to the Legislature, April 1st, 1926. Mr. Sinclair. *Not Printed.*

No. 58 Return to the Order of the House, dated April 9th, 1925, that there be laid before the House a Return, showing:—1. What was the total estimated tender of McNamara Construction Company for pavement and shoulders on road from Sudbury to Coniston. 2. What did the work actually cost. 3. What were the tenders of other contractors for this work. 4. What was the total estimated tender of the McNamara Construction Company for pavement from Timmins to South Porcupine. 5. What did the work actually cost. 6. What were the tenders of other contractors for this work. Presented to the Legislature, April 1st, 1926. Mr. Fisher. *Not Printed.*

No. 59 Report of the Civil Service Commissioner for the year 1925. Presented to the Legislature, April 1st, 1926. *Not Printed.*

*Not bound in Sessional Volumes.

No. 60	Report of the Mothers' Allowance Commission. Presented to the Legislature, April 1st, 1926. *Printed.*
No. 61	Report of the Commissioner of Extra-mural Employment of Sentenced Persons Act. Presented to the Legislature, March 6th, 1926. *Printed.* See Sessional No. 16.
No. 62	Department of Public Highways. *Printed.*

Eighteenth Annual Report

OF THE

HYDRO-ELECTRIC POWER COMMISSION

OF THE

PROVINCE OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1925

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

TORONTO
Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty
1926

HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

CHARLES A. MAGRATH, ESQ. ..... *Chairman*

HON. J. R. COOKE, M.L.A. ..... *Commissioner*

C. ALFRED MAGUIRE, ESQ. ..... *Commissioner*

W. W. POPE, ESQ. ..... *Secretary*

F. A. GABY, B.A.SC., D.SC. ..... *Chief Engineer*

IN MEMORIAM

SIR ADAM BECK, Kt., LL.D.

Chairman of the Hydro-Electric Power Commission of Ontario from its creation in 1906 to his death on August 15th, 1925

"As a devoted Canadian, a loyal and patriotic citizen of the Empire, a keen and true sportsman, a public administrator with extraordinary constructive ability and zeal, and, above all, a man of unblemished honour, Sir Adam Beck's career is worthy of emulation, and adds lustre to the record of the many worthy and distinguished men who have occupied seats in this house."

—Premier Ferguson, on Thursday, January 11, 1926, at the first Session of the Ontario Legislature after Sir Adam Beck's death, speaking to his motion—which was adapted—that out of respect to Sir Adam's life and achievements the House should not sit on Friday, but should adjourn until Monday, February 15.

On the 15th of August, 1925, at his home in London, Sir Adam Beck passed peacefully away. This is the first annual report issued since his death and deals with the progress made during the last year of his chairmanship.

It is fitting therefore that this report, the Eighteenth Annual Report of the undertaking which owes so much to his initiative, energy, and wise guidance, should contain a special reference to its first chairman, Sir Adam Beck. Accordingly there is reproduced herewith a statement by the Hon. J. R. Cooke, the only colleague of Sir Adam Beck on the Commission during the latter months of his life. This statement was issued by Mr. Cooke at the time of Sir Adam Beck's death and subsequently was published in "The Bulletin" of August, 1925.

AN APPRECIATION OF SIR ADAM BECK

Late Chairman, Hydro-Electric Power Commission of Ontario

by

Hon. J. R. Cooke, Commissioner, on behalf of himself and the staff of the Commission

The staff of the Hydro-Electric Power Commission of Ontario desires to express its deep sense of sorrow and loss experienced on account of the death, on the fifteenth of August, 1925, of its highly-esteemed and beloved Chairman, Sir Adam Beck. As a member of the Commission and a colleague of Sir Adam Beck, I also express my own deep sense of personal loss.

Owing to the unity of effort and co-operation that has characterized the relationship between the Commission and its staff, I am especially pleased to associate its expression of homage to the memory of our late Chairman with my own.

It is over two years since I became associated with the late Chairman. I had previous knowledge of the underlying principles upon which the Commission's work was conducted as expressed in the Provincial legislation, and was, moreover, in genuine sympathy with those principles and with the municipally-owned hydro-electrical undertaking as a whole. Immediately upon my closer relationship with the Commission, I was much impressed with the jealous care manifested by Sir Adam Beck to ensure that in the administration of the Commission's affairs there should be no departure from the basic principles of public ownership upon which the Commission's superstructure and general administration had been founded. Sir Adam Beck was unusually sensitive in his detection of whether policies or individual views were in accord with the objects of public ownership so dear to his heart. I found myself in fullest accord with the Chairman and throughout the whole period of my intimate association with him, I received nothing but the best of sympathetic co-operation with respect to the Commission's work, while on my part I felt there was no man who was better qualified to receive my whole-hearted and complete support. Satisfactory appraisement of what constituted basic policies, foresight with respect to what was essential to their consummation and readiness to delegate to others the performance of important details were qualities so fairly balanced in Sir Adam Beck's direction of affairs that words cannot express the loss it is to be deprived of his wise counsel and truly sympathetic co-operation.

Sir Adam Beck had unbounded confidence in his staff. The harmony that has existed between the Commission and its staff is evidenced by the fact that although the Commission has been operating less than twenty years, yet the average length of service of its administrative heads is over fifteen years. I

know that Sir Adam's own feeling with regard to the satisfactory perpetuation of the Commission's work rested chiefly in two main features; the one that the broad basic principles of public ownership should be strictly preserved and the Commission kept free from political influence or control, and the other that the employees of the Commission should always be selected on the basis of intrinsic qualification to perform their duties and that they should be untrammeled in the administrative exercise of their respective tasks.

Much has been, and much more might be, said regarding the qualifications of Sir Adam Beck and the wonderful achievements that have been accomplished through his foresight and untiring effort. The members of the staff of the Commission, however, will, I believe, always regard our late Chairman rather from the viewpoint of his personal relâtionships with them.

In the first place, the staff recognized that in having, in the year 1906, placed on the Statute Books of the Province the Act known as The Power Commission Act, there had been embodied the fundamental doctrines upon which the Commission's whole undertaking was based; that these doctrines were an expression of the vision and genius of Sir Adam Beck; that with relatively minor legislative changes the foundation of the Commission, as originally laid, remains to-day;—and this in spite of all the opposition that has been created for its destruction. No one, unless possessed with the masterful, dominating spirit and persevering enthusiasm of Sir Adam Beck, could have successfully championed such difficult and novel measures through the legislature.

Sir Adam Beck's first and constant concern was that the work of the Hydro-Electric Power Commission should contribute directly and to the fullest possible extent to the growth and welfare of Ontario municipalities. There was no proposal made which he believed would result in benefit to the municipalities that did not enlist his heartiest co-operation and the application of his indefatigable energy. Sir Adam had unbounded and sincere faith in the intrinsic merits of the municipally-owned undertaking. His statesmanship and diplomatic skill were employed in directing the whole public-ownership enterprise and in preventing interference from any quarter that might lessen the progress and effectiveness of the programme he was directing.

Sir Adam Beck was an eloquent and forceful speaker with a magnetic personality. Few men had his ability so quickly to obtain the sympathy and confidence of an audience. By his mode of speech and manner, he was able to impart that which commanded attention and respect for his utterance. He was a keen and intelligent debater, with a ready wit often turned with telling effect in the public interest. He courted the expression of opinions from those who, he knew, entertained views at variance with his own and, not infrequently, took means to evoke from others antagonistic arguments in order that he might better appraise the views they held.

Sir Adam was particular regarding details and in his administrative and personal habits he was scrupulously orderly and desired that others exhibit similar qualities.

Now, these and other features were well known to the staff, and more particularly to the administrative heads of the various departments. All knew of the intrinsic understanding possessed by their Chairman with respect to the aims and objects of the Commission, and, consequently, it has ever been the pleasure and satisfaction of all members of the staff to contribute to the utmost of their ability in the carrying out of any wish expressed by their Chairman.

Sir Adam exhibited an earnest desire to keep all members of his staff in a contented and happy frame of mind, and in the social functions, games or other outside activities of the staff he was regarded as the moving spirit. All such activities received his whole-hearted sympathy and support and whatever of spare time he could bestow to further them.

The staff, it is true, knew that Sir Adam was a man of strong impulses, rather brusque in manner, but there was probably no member of the staff who did not appreciate the kindliness of heart and disposition that lay beneath this exterior. Sir Adam was always ready with a helping hand; solicitous for the unfortunate, and thoughtful of the comfort and welfare of those associated with him in his great undertaking.

Those members of the staff who had been through the great stress and opposition experienced by the Commission in the earlier years of its work understood best the extent of the self-sacrifice, devotion to duty, masterful fearlessness and resourcefulness of Sir Adam Beck, and these members are, perhaps, best able to interpret the affection they entertain for him. But while there is this more intimate understanding on the part of some, there, to-day, is found throughout the whole staff of the Commission a genuine and profound sense of respect, admiration and unbounded loyalty for their late Chief and leader.

Anyone who considers the general day-in and day-out working of the Hydro-Electric Power Commission must realize that there is a something which has held and which holds this efficient organization together and which has caused it, in the public interest, to function so smoothly as a complete operating entity. It is recognized that an organization is largely a reflection of its guiding head, and I have no hesitation in affirming my personal conviction that it has been the singleness of purpose towards the public, the absolute integrity, the foresight and the determination to persevere at all costs in carrying out the great municipally-owned undertaking for the benefit of the people as sponsored throughout his public career by Sir Adam Beck, that has constituted the inspiration of every member of his staff. I know of no organization where there exists greater loyalty in support of the responsibilities entrusted to it.

There is no doubt that Sir Adam Beck's years were shortened by the excessive and often very unreasonable demands made upon his time and strength through the repeated attacks upon the work of the Commission by those antagonistic to public ownership. Public investigation consequent upon such attacks involved long hours of toil and stress, in addition to the pressing regular demands of the Commission's work. Sir Adam was reluctant that any attack launched against the Commission having within it the possibility of future trouble for the

Commission should remain unrefuted, and one by one as these attacks came up, Sir Adam effectually dealt with them. There has been no time in the history of the Commission when its various operations have been so thoroughly vindicated and when the injustice of all the attacks against the Commission has been disclosed and disposed of to the satisfaction of the public concerned, as during the last few years of Sir Adam's life. Sir Adam leaves his successors a clean slate.

In conclusion, I should like to add—and this also was a feature that the Chairman always sought to impress upon the administrative heads of his staff—that the future of the Commission is a matter of prime importance, for which adequate provision must always be made. Having achieved any particular result, Sir Adam was ready to forget the things that were behind and to press forward towards the accomplishment of what was required to meet the future domestic, commercial, industrial and municipal needs of the citizens of the municipalities of the Province. During the long months of his illness, Sir Adam's mind was constantly engaged upon considering how best to provide for these future requirements. His desires and ambitions in this respect have been expressed to those who have been in closest personal touch with him. It is the earnest desire of the staff and of the Commission to continue to preserve the traditions and objects of public ownership. All who have been associated with Sir Adam Beck will never forget the confidence inspired by his leadership, nor the loyalty stimulated by his example as a faithful public servant.

As is known, there are relatively few persons with whom the Chairman was personally intimate. The larger proportion of these were associated with the work of the Hydro-Electric Power Commission. Apart from his own immediate family circle, it is certain that there is no place where Sir Adam Beck will be more missed and his memory more cherished than in the hearts of the members of his staff.

To His Honour The Honourable Harry Cockshutt,

Lieutenant-Governor of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to your Honour the Eighteenth Annual Report of the Hydro-Electric Power Commission of Ontario for the fiscal year ending October 31, 1925.

This Report covers all of the Commission's activities and also embodies the financial statements of the municipal electric utilities operating in conjunction with the various systems of the Commission and supplying electrical service to the people of the Province.

Dealing, as it does, with a multiplicity of activities relating to several electrical systems obtaining power from twenty-one hydro-electrical plants operated by the Commission, supplemented by power purchased from other sources, and recording financial and other data relating to the individual local municipal electric utilities, the Annual Report presents a large amount of statistical information, much of which must, of necessity, be of a summary character.

The financial statements, the statistical data and the general information given, however, are so arranged and presented as to convey a comprehensive outlook on the features of the Commission's operations. Not only does the Report record the progress made during the past year, but it gives, in addition, the cumulative results for the various periods during which operation has been maintained in the respective municipalities.

It is not necessary to review here prominent features connected with the operation of the Commission's systems because these are satisfactorily covered in the section of the Report devoted to this subject. It is appropriate to mention, however, that during the past year the operation of all the systems has been carried on very successfully and without serious trouble. The class of equipment provided in the Commission's generating plants and the care with which it has been maintained and operated has enabled power to be continuously supplied throughout the year without a single minute's complete interruption to the Niagara system, the Central Ontario and Trent system and the Georgian Bay system. A few minor troubles have, of course, occurred on the local transmission and distribution systems. The total power generated, and also the peak loads, increased on most of the systems.

The Muskoka system with its generating plants has been incorporated into the Georgian Bay system with beneficial results to all the municipalities supplied by this system. The Thunder Bay system has experienced another remarkable increase in demand for electrical energy. This system operates at an exceptionally high load factor, and in order to aid in providing the stream flow necessary to meet the load conditions, the Commission has completed a dam at Virgin Falls below the outlet of Lake Nipigon.

Cost of Electrical Service Furnished by the Commission

The function of the Commission is not only to use its best endeavours to provide for the people of Ontario, at cost, an adequate and reliable supply of electrical energy, but also to ensure that the cost of that electrical energy to the consumers shall be a minimum. The success that has been attained in the accomplishment of the latter object may be appreciated from the fact that, whereas, according to a recent statement by an accredited authority in the United States,* the average price of electricity to the domestic consumer in the United States, in 1925, was 7.5 cents per kilowatt-hour, the corresponding cost in Ontario, in municipalities served by the Hydro-Electric Power Commission—as shown by the figures given in Statement "D" on page 335 of this Report—was, for 1925, less than 2.1 cents per kilowatt hour. Statement "D" indicates also that rates for commercial light and industrial power service in Ontario are similarly low.

Respecting the cost to the ultimate consumer of electrical service furnished to Ontario municipalities by the Commission, the following facts are of interest:

More than eighty per cent of the electrical energy utilized for domestic service is sold in municipalities where the average charge to consumers of this class is less than two cents per kilowatt-hour.

More than eighty per cent of the electrical energy utilized for commercial light service is sold in municipalities where the average charge to consumers of this class is less than three cents per kilowatt-hour.

More than seventy per cent of the electrical power distributed by municipal systems and utilized for power service is sold in municipalities where the average charge to consumers is less than twenty-five dollars per horsepower per year.

In each of the above cases the consumers' cost quoted is inclusive of all charges.

* * *

The following tabulation shows the growth in load in the various systems during the year:

DISTRIBUTION OF POWER TO SYSTEMS

20-Minute Peak Horsepower
System Coincident Peaks

System	October 1924	October 1925	December 1924	December 1925
Niagara system and export	576,510	683,646	651,474	732,306
Georgian Bay system	17,009	18,261	17,111	17,544
St. Lawrence system	4,998	5,350	5,112	5,963
Rideau system	2,694	2,533	2,607	2,654
Thunder Bay system	34,200	44,086	37,500	49,044
Ottawa system	13,206	14,260	14,708	15,617
Central Ontario and Trent system	34,892	37,762	39,222	41,622
Nipissing system	2,429	2,500	2,218	2,693
Total	685,938	808,398	769,952	867,443

Financial Summaries

It will be observed that the financial statements embodied in this Report are presented in two main divisions, namely, a division—Section IX—which deals with the operations of the Commission in the generation, transformation

Electrical World, New York, January 2, 1926.

and transmission of electrical energy *to the co-operating municipalities*, and a division—Section X—which deals with the various operations of the municipalities in the localized distribution of electrical energy *to consumers*.

The cumulative results to date of the operation of the several systems of the Commission as set forth in this Report demonstrate a remarkably healthy financial condition.

The total investment of the Hydro-Electric Power Commission of Ontario in power undertakings and hydro-electric railways is $198,998,979.33, and the investment of the municipalities in distributing systems and other assets is $77,721,093.93, making in power and hydro-electric railway undertakings a total investment of $276,720,073.26.

The following statement shows the capital invested in the respective systems and municipal undertakings:—

Niagara system	$153,792,760.69
Georgian Bay system	5,069,063.87
Muskoka system	
St. Lawrence system	1,040,728.59
Rideau system	1,106,002.20
Thunder Bay system	11,740,641.16
Ottawa system	29,333.48
Central Ontario and Trent system	13,911,894.31
Nipissing system	1,027,720.47
Service buildings, construction plant, stores, etc.	2,807,400.40
Hydro-electric railways	8,473,434.16
	$198,998,979.33
Municipalities' distributing systems and other assets (including $7,551,588.70 of municipal sinking fund equity in H.E.P.C. System)—all systems	77,721,093.93
	$276,720,073.26

As usual the Commission is able to report that the revenue obtained from the consumers has been more than sufficient to meet the full cost of generating and transmitting the electrical energy as well as to provide for all operating expenses and the fixed charges of the municipal utility equipments.

The Commission collected from the municipal utilities and other customers, for power sold, a total sum of $18,002,148.96. This sum was appropriated to meet all the necessary fixed charges and to provide for the expenses of operation and administration. After meeting all charges there was left a net surplus of $437,848.25.

The following statement summarizes the Commission's collections from municipal hydro-electric utilities and other power customers for the year and shows how the collections have been appropriated:

Revenue from municipalities and other power customers		$18,002,148.96
Appropriated as follows:—		
Operation, maintenance, administration, interest and other current expenses	$13,847,466.79	
Reserved for sinking fund, renewal of plant and equipment, and contingencies	3,716,833.92	
		17,564,300.71
Net surplus after providing for all operating expenses and necessary fixed charges		$437,848.25

The following is a summary of the year's operation of the municipalities which operate under cost contracts with the Commission:

Total revenue collected by the municipalities		$20,419,114.50
Cost of power	$10,661,300.64	
Operation, maintenance and administration	4,352,003.77	
Debenture charges and interest	3,245,661.91	
Depreciation	1,079,870.42	
Total		19,338,836.74
Surplus for the year		$1,080,277.76

The above covers only the municipalities operating under cost contracts with the Commission.

RURAL POWER DISTRICTS—OPERATIONS FOR YEAR 1925

	Niagara system	Georgian Bay system	St. Lawrence system	Ottawa system	Central Ontario and Trent system	Totals
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Cost of power as provided to be paid under sec. 23 of Act	171,864.42	7,805.54	4,870.90	1,475.55	6,955.72	192,972.13
Cost of operation, maintenance and administration	136,467.63	3,391.29	1,840.94	2,464.39	4,422.80	148,587.05
Interest	48,631.34	2,908.66	1,673.55	1,314.63	2,226.13	56,754.31
Renewals	40,696.71	1,892.35	1,188.03	1,088.20	1,973.60	46,838.89
Contingencies	10,174.17	473.07	297.01	272.05	.....	11,216.30
Sinking fund	18,275.59	1,028.59	551.72	504.43	.....	20,360.24
Total expenses	426,109.86	17,499.50	10,422.15	7,119.16	15,578.25	476,728.92
Revenue from customers	510,017.27	19,344.53	10,388.37	6,205.15	20,257.07	566,212.39
Surplus	83,907.41	1,845.03	.....	.....	4,678.82	.....
Deficit	.....	.....	33.78	914.01	.....	.....
Net Surplus	.....	.....	.....	.....	.....	89,483.47

The total reserves of the Commission and the municipalities for sinking fund, renewals, contingencies and insurance purposes amount to $46,635,214.19, made up as follows:

Niagara system	$14,179,952.57
Georgian Bay system	988,425.77
St. Lawrence system	258,875.22
Rideau system	121,346.13
Thunder Bay system	195,273.46
Ottawa system	5,341.74
Central Ontario and Trent system	1,849,177.55
Nipissing system	85,582.00
Service buildings, etc	1,142,090.10
Total reserves on Commission's property	$18,826,064.54
Total reserves of municipalities	27,809,149.65
Total Commission and municipal reserves	$46,635,214.19

The consolidated balance sheet of the municipal hydro-electric utilities, on page 239, shows a total cash balance of $1,700,145.30, and bonds and other investments of $1,095.662.92. The total surplus in the municipal books now amounts to $17,952,564.77, in addition to a depreciation reserve and sundry other reserves aggregating $9,856,584.88.

* * *

The following is a brief summary of the principal operations relating to the several systems of the Commission, which are presented in detail in the body of this Report:

Niagara System

The Niagara system embraces all the territory lying between Niagara Falls, Hamilton, and Toronto on the east, and Windsor, Sarnia, and Goderich on the west, served with electrical energy generated at Niagara Falls.

The Commission in this system has a total capital investment of $153,792,-760.69, and accumulated reserves for renewals, sinking fund and contingencies aggregate $14,179,952.57. The actual cost of power during the year was $60,304.64 less than the amounts of the interim bills and the municipal electric utilities operated with a net surplus of $761,382.39 after providing $921,887.58 for depreciation. Only five municipalities had actual deficits during the year and these were very small, aggregating $1,933.57. The total revenue of the municipal electric utilities in this system was $17,907,071.14.

There has been a steady increase in the number of customers and in the loads supplied to the municipalities. The seventh unit and the eighth unit at the Queenston-Chippawa generating station were put in operation during the year, and all eight units were operating in October. The ninth generator was installed and put into operation during December, 1925.

A 110,000-volt line was constructed from St. Thomas to Sarnia and a 110,000-volt transformer station was constructed at Sarnia, both of which will be put into operation early in the fiscal year 1926.

Georgian Bay System

During the past year the formation of the Georgian Bay system as originally planned has been completed by the inclusion of the Muskoka system. As now constituted, the combined system serves that portion of the province of Ontario which surrounds the southern end of Georgian bay and lies to the north of the territory served by the Niagara system. It includes the district surrounding lake Simcoe and embraces all of the counties of Bruce, Grey, and Simcoe, the district of Muskoka, and the northern portions of Huron, Wellington and Ontario counties.

The combined installed capacity of the generating plants serving this system will approximate 22,000 horsepower upon the completion of extensions to the generating plants on the Muskoka river. During the year two new 2,000-horsepower units were installed and placed in operation at the South Falls generating station. At Hanna Chute, about half a mile above the South Falls generating station, a third unit is being installed at a concrete dam now under construction designed to create a head-pond of ample magnitude for the South Falls development. This unit will be operated by remote control from the main station. The Muskoka division of the Georgian Bay system is connected

with the Severn, Eugenia and Wasdells divisions by means of a transmission line between the South Falls development and Waubaushene.

The Commission in this system has a total capital investment of $5,069,063.87, and accumulated reserves for renewals, sinking fund and contingencies aggregate $988,425.77. The actual cost of power during the year was $1,396.40 less than the amounts of the interim bills, and the municipal electric utilities operated with a net surplus of $62,916.49 after providing $43,987.02 for depreciation. Fifteen municipalities operated with small losses aggregating $11,547.27. The total revenue of the municipal electric utilities in this system was $927,752.38.

St. Lawrence System

The St. Lawrence system serves the district immediately to the north of the St. Lawrence river between Brockville and Cornwall; the supply of power for the system being purchased from the Cedar Rapids Transmission Company, delivery being made at a point near Cornwall. Service is given to ten municipalities, six rural power districts and two companies.

The Commission in this system has a total capital investment of $1,040,728.59, and accumulated reserves for renewals, sinking fund and contingencies aggregate $258,875.22. The actual cost of power during the year was $3,628.53 less than the amounts of the interim bills and the municipal electric utilities operated with a net surplus of $20,424.58 after providing $6,792.00 for depreciation. Two municipalities in this system had small deficits aggregating $1,681.62. The total revenue of the municipal electric utilities in this system was $203,963.70.

Rideau System

The Rideau system serves the district in the vicinity of Smiths Falls, Perth and Carleton Place. Power is available from two generating plants, one at Carleton Place and the other installed by the Commission at High Falls. Both are situated on the Mississippi river. The Commission also purchases power from the Rideau Power Company of Merrickville. The Carleton Place plant was not in operation during the past year because the capacity of this plant was not required in order to provide the power requirements of the municipalities. The system supplies five municipalities situated between the Ottawa and St. Lawrence rivers, west of Ottawa.

During previous years the Commission sold approximately 500 horsepower to a crushed rock company located between Merrickville and Kemptville. No power was delivered to this company during the year, and as a result less power was sold from the system.

The Commission in this system has a total capital investment of $1,106,002.20, and accumulated reserves for renewals, sinking fund and contingencies aggregate $121,346.13. The actual cost of power during the year was $21,735.20 greater than the amounts of the interim bills. Four municipalities had small deficits for the past year aggregating $2,665.62. The total revenue of the municipal electric utilities in this system was $183,902.04.

Thunder Bay System

The Thunder Bay system during the past year has established another remarkable increase in the demand for electrical energy, and thus has further justified the policy of providing for this district an ample supply of power "on a scale which would not only encourage pioneer development of the natural resources, but which at the same time would provide for such future supply of power as would stabilize the communities and industries which would become dependent upon power as a prime industrial necessity". The increase in the consumption of power with the corresponding increase in revenue has given to the Thunder Bay system a most satisfactory financial status.

The existing pulp and paper mills, as a result of the acquisition by the companies of new timber limits, are to be greatly enlarged, and to take care of additional power requirements the Commission has found it necessary to plan for an immediate additional development at Alexander Landing, situated one and one-half miles below the present Cameron Falls generating station. The Commission is also making further studies of other sites on the Nipigon river, particularly one at a point above Cameron Falls.

Negotiations which have been carried on with existing companies, together with applications for power already received, make it probable that the demand for power will, by 1932, be for about 150,000 horsepower.

During the past year the average load on the system increased by 10,357 horsepower, and reached a total of 37,612 horsepower. The 20-minute peak load in December, 1925, reached a total of 50,200 horsepower, exceeding that of 1924 by 12,400 horsepower. The peak load of the city of Port Arthur was, for the same period, 27,909 horsepower, an increase of 4,170 horsepower as compared with the corresponding period of the previous year.

During the year units No. 5 and No. 6 were installed and placed in operation at the Cameron Falls generating station, thus, with an installed capacity of 75,000 horsepower, completing this development as originally planned. The dam at Virgin Falls for conserving water by creating storage on lake Nipigon was also completed.

Service was given for the first time during the year to the village of Nipigon and estimates and plans were prepared for a terminal substation and municipal distributing station for the city of Fort William in order to provide for the delivery of power in December, 1926.

The Commission in this system has a total capital investment of $11,740,-641.16 and accumulated reserves for renewals and contingencies aggregate $191,525.66. The total revenue of the municipal electric utilities in this system was $701,315.33.

Ottawa System

The Ottawa system comprises the city of Ottawa and the Nepean rural power district. It receives its power from a hydro-electric development on the Ottawa river within the city. It is interesting to note that, although Ottawa enjoys the lowest average cost for electrical energy for domestic service in Ontario, its net surplus after providing $51,379.00 for depreciation was $36,055.12, an amount equal to two-thirds of the revenue received by the electrical utility of the city for the commercial power service it supplied.

Central Ontario and Trent System

The Central Ontario and Trent system serves the district bordering the north shore of lake Ontario lying between the territory on the west served by the Niagara and Georgian Bay systems and that on the east served by the St. Lawrence and Rideau systems. The nucleus of this system was the group of properties formerly controlled by the Electric Power Company, Limited, and operated by it through the agency of twenty-two subsidiary companies. These properties were all purchased by the province of Ontario on March 1, 1916, and have been operated by the Commission as trustee for the Province since June 1, 1916. Since that date the system has been greatly enlarged in order to meet the constantly growing needs of the district.

Twelve municipalities, ten of which have been connected to the system since the date of purchase, operate their own distribution systems under contracts with the Commission. These municipalities are grouped in what is termed the Trent system. This system also includes certain rural power districts.

The power supply for the Central Ontario and Trent system is obtained from a number of power developments situated on the Trent and Otonabee rivers. The power developments were constructed in conjunction with dams required for navigation purposes. The two new remote control generating plants on the system, situated at Dam No. 8 and Dam No. 9, were in operation throughout the year. Investigations on the possibilities of the Crow river storage basin for increasing the power supply on the Trent river were continued.

For the purpose of financial statements the Nipissing system, referred to below, is included with the Central Ontario and Trent system. The financial results of the operations of the year are very satisfactory. After meeting all operating and maintenance costs, all interest, all sinking fund on that portion of the investment for which sinking fund provision is required, provision for renewals reserve of $145,614.45 and provision for contingencies reserve of $53,992.84, a net surplus of $13,243.52 was available.

It is worthy of note that the total reserves which have been set up out of earnings for the benefit of this system now amount to $1,934,759.55.

Trent System

The twelve municipalities operating their own distribution systems under cost contracts with the Commission in the district known as the Central Ontario and Trent system have been grouped under the above heading. They are served with energy from, and are considered as customers of, the Central Ontario and Trent system. Their combined operation for the year shows a net surplus of $77,910.44 after providing $28,116.00 for depreciation.

Nipissing System

This system comprises the city of North Bay, the town of Powassan and the village of Callander, and was acquired by the Province in 1916, at the same time as the Central Ontario system property, the records of which on the Commission's books include the Nipissing system. The Nipissing system is supplied with power from two hydro-electric developments on the South river, at Nipissing and Bingham Chute.

The North Bay substation was enlarged during the year by the addition of a 750-k.v-a, 3-phase transformer, increasing the capacity thereof by approximately 1,000 horsepower.

This year marks the termination of the franchise in North Bay of the original company, which has been carried on by the Commission since this property was taken over. The best method of continuing service to these municipalities in future is being studied. Investigation concerning the conservation and storage of water for operating the generating stations serving this district were also made during the year.

The Annual Report

The Table of Contents, pages xxi and xxii, conveys a good understanding of the scope of the matters dealt with in the Report, to which there is also a comprehensive Index. To those not conversant with the Commission's Reports the following notes will be useful.

In Section II, pages 6 to 48, dealing with the Operation of the Systems, are a number of interesting diagrams showing, graphically, the increase in the loads on the various systems. Tables are also presented showing the amounts of power taken by the various municipalities during the past three years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III on pages 63 to 66. The power distributed to rural districts is, and probably must always be, but a relatively small proportion of the power distributed by the Commission. The supplying of electrical service in rural areas, and especially on the farm, has, however, been of great economic benefit to Ontario. The Provincial grants-in-aid to this work have been of assistance to agricultural activities, and have enabled the Commission to extend transmission lines to many areas which could not otherwise have received the benefits of electrical service.

In Sections IV, V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

About two-thirds of the Report is devoted to statistical, financial data which are presented in two Sections, IX and X.

Section IX presents in summary form the financial statements relating to the operations of the Commission in the generation, transformation and transmission of electrical energy to the co-operating municipalities. It is introduced by an important explanatory statement which appears on pages 125 to 129, to which special reference should be made.

Section X presents in summary form the financial statements relating to the operations of the municipalities in the localized distribution of electrical energy to consumers. It also contains details of the costs of electrical energy to consumers in the various municipalities and tabular statements of the rates in force which have produced these costs. An explanation of the various tables and statements is given at the commencement of this Section on pages 229 to 233.

The Annual Reports of the Hydro-Electric Power Commission give more information respecting the operation of the co-operative hydro-electrical enterprise of the municipalities of Ontario than is obtainable with respect to other districts from the published reports of any other system of electric utilities, regardless of where operated or whether under public or private ownership.

May I, in concluding, say that no one is more conscious than I am of the great loss sustained by this Commission through the death of Sir Adam Beck. This great work, to which he gave so generously of himself, must be maintained and advanced.

While the people of the Province have every reason for deploring the passing away of one who did so much for them, it may be a satisfaction to know that my colleagues and I are fully determined to carry forward the work, having the same object in view that inspired Sir Adam Beck—namely, low-cost electrical service for the municipalities and citizens of the province of Ontario.

Respectfully submitted,

CHARLES A. MAGRATH,

Chairman.

Toronto, Ontario, March 31st, 1926.

Charles A. Magrath, Esq.,
Chairman, Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.

Sir,—I have the honour to transmit herewith the Eighteenth Annual Report of the Hydro-Electric Power Commission of Ontario for the fiscal year ended October 31st, 1925.

I have the honour to be,

Sir,

Your obedient servant,

W. W. Pope,
Secretary.

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EIGHTEENTH ANNUAL REPORT

OF THE

Hydro-Electric Power Commission of Ontario

SECTION I

LEGAL

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, in 1925 passed four special Acts relating to the work of the Hydro-Electric Power Commission of Ontario. These Acts are reproduced in full as Appendix I to this Report. The short titles to the said Acts are as follows:

The Power Commission Act, 1925, Chapter 23.

The Power Commission and Companies Transfer Act, 1925, Chapter 24.

An Act to confirm an Agreement between the Hydro-Electric Power Commission of Ontario, the City of Toronto and the Toronto Harbour Commissioners, Chapter 25.

The Hydro-Electric Railway Act, 1925, Chapter 57.

The agreements between the Hydro-Electric Power Commission of Ontario and the Municipalities and Corporations mentioned in the list hereunder given were approved by Order-in-Council dated the 8th day of October, 1925.

Towns	
Essex	Mar. 19, 1924
Leamington	Apr. 30, 1924
Villages	
Erieau	July 18, 1924
Humberstone	Sept. 2, 1924
Police Villages	
Campbellville	Aug. 27, 1924
Harrow	July 1, 1924
Townships	
Biddulph	Nov. 6, 1924
Colchester South	Feb. 5, 1924
Downie	Oct. 27, 1924
Townships	
Ellice	Nov. 25, 1924
Gloucester	Aug. 11, 1924
Guelph	Oct. 11, 1924
Haldimand	Sept. 10, 1924
Malden	June 13, 1924
Nassagaweya	Dec. 29, 1924
Nipigon	Oct. 17, 1924
North Cayuga	Nov. 24, 1924
North Gosfield	May 31, 1924
North Gower	Aug. 16, 1924
Osgoode	Aug. 12, 1924
Pelham	June 12, 1924
Puslinch	Aug. 4, 1924
Seymour	Dec. 15, 1924
Thurlow	June 27, 1924
Tuckersmith	Nov. 29, 1924
West Flamboro	Jan. 19, 1925

CORPORATIONS

Canadian Pacific Railway Company	Mar. 27, 1924
Gananoque Electric Light & Water Supply Co., Ltd	Jan. 1, 1924
Growers Cold Storage & Ice Company, Ltd	Dec. 24, 1922
Northern Construction Company, Ltd	July 18, 1924

Under the Power Commission and Companies Transfer Act, 1924, further progress was made in clearing away difficulties. The interests of the city of Toronto were protected and securities held by the city released. The requirements of the Trusts Companies under the bond mortgages were satisfied. In due course the transfers to the Commission were completed and delivered. They were validated by the Power Commission and Companies Transfer Act, 1925, which has been mentioned in the list of legislation. In accordance with the provisions of these Statutes the plant and works of The Electrical Development Company of Ontario Limited, The Toronto and Niagara Power Company, The Ontario Power Company of Niagara Falls, and The Ontario Transmission Company Limited, have become vested in the Commission. The necessary registration affecting the numerous parcels of land are being effected. The Commission will be now able to complete the amalgamation in view when these companies were acquired.

In addition to these transfers not a little work was done in connection with these companies and the Toronto Power Company, to which the first two are subsidiary. Details remaining to be adjusted under the Purchase Agreement (Clean Up), were disposed of. Funds in the hands of the Trustee under the bond mortgage were released for use on the property concerned. The viaduct and the works of the Harbour Board are making necessary an entire change in the site of the steam plant on Scott street. At the instance of the Canadian Pacific Railway and the industries interested, several agreements have been negotiated for sidings to cross the land on which is situated the high-tension transmission line to the Davenport terminal in the north part of the city of Toronto. This involved crossings under the high-tension wires with the consequent responsibility assumed. With a right-of-way from Toronto to Niagara Falls the usual number of matters affecting property rights were handled.

Construction of works and purchase of equipment were the occasion of numerous contracts. These were all prepared in the department. They covered such items as hydraulic plant, railway equipment, generators and other electrical apparatus.

In the sale of power occasionally circumstances were met which required special attention. These were carefully examined and the interests of the Commission safeguarded by introducing suitable changes in the ordinary forms of power contracts. A new standard rural power contract was prepared and after due consideration brought into final form and approved. When contracts with individual customers came into question, either through misunderstanding or failure to carry out the provisions, the appropriate means were found for insuring that the contracts were carried out with the least trouble.

The municipalities in their capacity as the chief purchasers of power and as themselves distributors within their bounds naturally direct a large number of enquiries to the Commission. This applies more especially to municipalities which are just commencing the business. As an indication of the changes wrought by electricity through the Province frequent enquiries were received as to street lighting in police villages and townships. Considerable time was

spent on work connected with the establishment of new rural power districts. Nearly a hundred matters were disposed of for various municipalities. These were cases where the services of the Commission were necessary because wherever possible the municipal officers are directed to their own solicitors.

There were nine cases where distribution systems were transferred, e.g., in several townships the township system was transferred to the Commission to be operated as part of a rural power district. New municipalities like the town of La Salle acquired the system or part of system within their bounds. In each case, owing to the intricate matters and interests involved, the agreement was prepared in the offices of the Commission.

In addition to the legislation specially mentioned above in which the Commission was directly interested it was indirectly involved in other legislation both on its own behalf and on behalf of the municipalities.

The sale of material and equipment left over after construction, more particularly from Chippawa, required the drawing of some contracts and in one or two instances the following of these through to a conclusion.

For the railways operated by the Commission work was done from time to time. Several matters before the Ontario Railway Board were dealt with. A few applications came before the Board of Railway Commissioners for Canada mainly affecting crossings over steam railroads. Most of such matters were disposed of by negotiation with the interested parties and without the necessity for formal hearings. A number of bond issues were brought to completion and the requirements of the bond dealers satisfied.

The transmission lines of the Commission cross over railways and other wires, more especially telegraph and telephone wires. Almost all crossings were settled by agreement. In a few instances the matters had to come before the Railway Board and an Order had to be made.

A comparatively new development is the growing number of instances where joint pole arrangements on the highways are suggested or considered. With the increase in the number of lines, both power and communication, the necessity for the arrangement is becoming more pressing. In several cases where no other solution offered agreements were entered into which covered either rights on poles or joint ownership.

On the other hand the steam railways have applied to the Board of Railway Commissioners for Canada for a revision of the Board's General Orders and Standard Specifications and Regulations covering wire crossings. The whole question has been opened up. This has brought in all the large power distributors in addition to the Commission. There has been a preliminary hearing at Ottawa. It involved the preparation of a great deal of material and the examination of more put in by the other power distributors and by the railways, all this in addition to the technical submissions of the engineers. The case is still before the Board.

There were the usual number of miscellaneous matters, e.g., workmen's compensation claims, storage and sale of excess explosives, and woodman's lien.

While there has been some important litigation, the policy of avoiding the settling of differences in the courts has been followed as far as possible and with reasonable success in view of the volume of the transactions, and the magnitude and complexity of the matters involved.

RIGHT-OF-WAY AND LANDS

Land Survey and Title Records

During the past year one hundred and sixty-two deeds were recorded in title record books; one hundred and twenty-five plans and descriptions were prepared for right-of-way on transmission lines and power development on current purchases.

In addition to the above about nine hundred records of deeds and various easements were indexed.

Right-of-Way

The purchase of the interests of the Trent Power Company and of the Gilmour Company in connection with certain lands and riparian rights adjoining the Trent river at Dam No. 1, Dam No. 2 and Dam No. 4 and the passing of the titles in connection with these properties have involved a great deal of work in this department during the year which has not yet been completed.

Development work at Hollow lake and Hanna Chute has rendered it necessary to purchase considerable quantities of land and to settle many claims for damages on account of flooding rights required in connection with these works. The same remarks also apply to the purchase of the Caldwell water power rights at Appleton, at Playfair and at Ragged rapids on the Mississippi river and to the Davey properties at Blakeney on this river.

The matter of closing the Lake Shore road and the conveyance of certain lands to the Commission for the new line to Strachan Avenue station in the city of Toronto has been completed so far as the city is concerned and it is expected that final arrangements will be closed with the Harbour Board in the very near future.

The purchase of easements covering the line from Sarnia to St. Thomas has been completed and nearly all damages claimed on this line disposed of. This line crosses the Oneida, Muncey and Caradoc Indian Reserves which fact necessitated negotiations with the Department of Indian Affairs at Ottawa.

An additional bond issue of $750,000 for betterments and extensions of the Essex County Railway System has been put through. Collateral debentures covering this amount have been deposited with the Commission by the following municipalities: Tecumseh, Riverside, Ford, Walkerville, Windsor, Sandwich Town, Ojibway, La Salle, Amherstburg, and the township of Sandwich West.

As in recent years the moving of poles on certain roads which were subsequently taken over by the Provincial Department of Public Highways, whose operations render it necessary in many cases to relocate certain poles, has involved much correspondence and negotiation.

Sites for substations have been purchased at the following places: Alvinston, Essex, Ford, Kleinburg, Long Branch, Waubaushene, Port Dover and Mitchell, and lands for site extensions at: Kitchener, Essex and St. Thomas.

Sales of lands no longer required for Commission purposes have been effected as follows: At Niagara Falls, six parcels; in Thorold township, one parcel; in York township, one parcel; and Toronto and York Radial properties, ten parcels.

Right-of-way has been secured for the following low-tension lines:

At Dam No. 8, Dam No. 9 and Dam No. 10, Trent river, in Seymour township.
Auburn station to Peterboro
Peterboro to Lakefield
Meversburg junction to Sydney
Port Darlington to Bowmanville
Priceville to Durham
Mount Forest to Harriston
Durham junction to Hanover junction
Durham to Mount Forest
Teeswater junction to Teeswater substation
Waubaushene to South Falls and Matchedash Bay
Hanna Chute to South Falls
Martintown station to Lancaster
Morrisburg to Prescott
Severn to North Bay (Huntsville section)
Hamilton to Guelph
London to Strathroy
St. Thomas to Sarnia
Petrolia to Glen Rae
St. Thomas to Aylmer
Cooksville to Brampton
Fergus to Elora
Seaforth to Walton
Simcoe to Port Dover
Burford to Waterford
Junction pole to Port Dover
St. Clair transformer station to Kent station
St. Clair transformer station to Sarnia junction
Pole line to Chippawa intake
Welland to Port Colborne
Queenston to Allanburg
Line between Queenston development and Welland canal
Milton to Guelph junction
Lythmore to Decewsville
Decewsville to Cayuga
Caledonia to Hagersville
Dundas to Lynden
Dorchester to Thamesford
Dorchester to Thorndale
Junction to Broughdale
Watford distributing station to Alvinston
Fletcher to Merlin
Thamesville to Ridgetown
Thamesville to Thamesville station
Puce to Essex
Fennell to Bradford
Picton junction to Wellington
Oshawa to Port Hope
Brockville to Morrisburg
Niagara station to Dundas station
Fletcher to Merlin
Broughdale junction to Ailsa Craig.

The following rural lines have been under construction during the year and where necessary right-of-way has been secured and damage claims settled: Aylmer, Baden, Barrie, Beamsville, Belle River, Brampton, Brantford, Caledonia, Chatham, Delaware, Dorchester, Drumbo, Dundas, Essex, Grantham, Guelph, Haldimand, Keswick, Kingston, Lansing, London, Lynden, Martintown, Nepean, Niagara, Oil Springs, Pickering, Prescott, Saltfleet, Sandwich, St. Thomas, Sarnia, Sparrow Lake, Stayner, Tilbury, Tillsonburg, Uxbridge, Wallaceburg, Wellington, Woodbridge, Woodstock.

The department has negotiated settlements for a great number of damage and accident claims, all of which have been disposed of without litigation.

The following summary shows the number of items handled by the department during the year:

Number of parcels of land purchased	38
Number of parcels of land sold	18
Number of tower rights secured (covering 107 towers)	52
Number of overhang rights secured	6
Number of damage claims settled	97
Number of pole agreements taken (covering 1,219 poles)	222
Number of tree trimming agreements taken (covering 2,406 trees)	185
Number of anchor agreements secured (covering 473 anchors)	179

SECTION II

OPERATION OF THE SYSTEMS

The operation of all systems has been carried on very successfully during the past year, no serious trouble having been experienced in connection with the plants operated. As an indication of the reliable and continuous supply of power to the systems, which has been made possible by the class of equipment provided in the Commission's generating plants and by the care with which it has been maintained and operated, it may be mentioned that the power has been supplied continuously throughout the year, without a single minute's complete interruption, to the Niagara system, the Central Ontario system, and the Georgian Bay system. There have been minor troubles on the transmission and distributing systems, interrupting the supply to certain customers in the localities affected, but these have not been numerous.

The demand for power has continued to increase on most systems, the total power generated by the Commission's plants last year showing an increase of 196,000,000 kilowatt-hours. Including purchased power and export power, the increase in the total load of the Commission amounted to over 211,000,000 kilowatt-hours.

The peak loads also increased on most systems, as may be seen by reference to the graphs and detailed report on each system given in the following pages. The sum of all the system peaks this year, disregarding the diversity in the time at which they may have occurred, shows an increase of 67,000 horsepower over last year, calculated on the same basis. It is interesting to note that this increase is about 54 per cent greater than the increase during the previous year, when the growth in load amounted to approximately 43,000 horsepower.

The increase in the load this year had been amply provided for through the provision of additional generating capacity, as may be seen from the table of total power generated and purchased, given herein. This table shows an increase of 97,000 horsepower in the normal operating capacity available at the end of this year, as compared with the end of last year. This increase in generating capacity exceeds the 67,000 horsepower increase in system peak loads mentioned in the previous paragraph and, following last year's increase in the generating capacity, has, for the time being, relieved the overloaded condition prevailing in recent years, affording a sufficient margin to take care of minor contingencies without cutting off the supply of power to consumers. It also enables the operating staff to take equipment out of service for inspection and maintenance, which further contributes to the reliability of service.

It should not be understood that the margin of capacity above load requirements has become excessive—on some systems it was scarcely sufficient to cover the various contingencies arising during the year. It is self-evident that for the proper maintenance of equipment, and for the satisfactory continuous supply of power to consumers, the generating capacity must exceed the power demand by a certain percentage, the percentage varying according to the class and age of the equipment, the standard at which it is to be maintained, and the reliability of the service to be given. Considered as a percentage, the increase in the generating capacity of the Commission's plants during the past year was only 12 per cent, which is less than a normal year's growth in load. Similar remarks would apply to the previous year's increase in capacity. Therefore, the relief from overloaded conditions experienced during the last two years may be ascribed to the prevailing quiet industrial conditions, rather than to the extent of new construction.

While the purpose of this section of the Report is only to report actual operating conditions during the past year, and not to forecast future conditions, to avoid a possible misinterpretation of figures given herein, the following facts should be borne in mind:

(1) While the load has increased during the past two years, it has been at a slower rate than during previous years.

(2) The rate of increase last year is about 54 per cent greater than during the preceding year.

(3) A continuation of this acceleration would bring the total increase during the coming year up to about the normal increase as established over a period of several years.

(4) Any such normal growth in the load would not only absorb all of the margin between generating capacity and load, created by the last two years' construction, but would create a more seriously overloaded condition than existed two years ago, with the probability of a curtailment in the power supplied to the various municipalities, unless additional generating capacity is provided.

In connection with the normal operating capacity, referred to above, it may be well to repeat an explanation given in a previous report. The normal operating capacity, referred to above and as shown in the table given herewith, is the rating put on a generating plant by the Operating department for operating purposes, and is based on a number of factors, including not only the individual rating of generators, turbines and transformers, but taking into consideration the switching facilities, the possibility of using all units simultaneously on load, the water available, and any incomplete construction work affecting output. It does not indicate the maximum possible output of the plants, as is evident from the table, where the peak load on various plants is shown as exceeding the normal capacity. This explanation seems desirable to prevent any confusion between figures for capacity used in this section of the Report, and possible references elsewhere, which may be based on the manufacturer's rating of the units installed or on the maximum capacity, without allowance for operating conditions.

TOTAL POWER GENERATED AND PURCHASED

Plant	Normal operating capacity Oct. 31, 1925 horsepower	Peak load during fiscal year 1924-1925, horsepower	Total output during fiscal year 1924-1925, kilowatt-hours
HYDRO-ELECTRIC GENERATING PLANTS			
Niagara: Queenston plant	442,360	441,689	1,514,370,300
Niagara: "Ontario Power" plant	183,650	184,316	785,302,300
Niagara: "Toronto Power" plant	147,450	142,493	347,769,000
Sydney, Dam No. 2	4,020	4,759	15,405,000
Frankford, Dam No. 5	3,485	3,485	12,523,840
Meyersburg, Dam No. 8	6,430	7,909	22,636,536
Hague's Reach, Dam No. 9	4,500	4,490	6,442,730
Ranney Falls, Dam No. 10	9,650	11,126	32,653,800
Campbellford, Dam No. 11	4,020	4,048	15,490,200
Heely Falls, Dam No. 14	12,060	15,818	31,748,900
Auburn, Dam No. 18	2,010	2,466	9,723,150
Fenelon Falls, Dam No. 30	1,000	1,072	3,527,140
Cameron Falls	50,000	44,086	188,850,800
Big Chute	5,700	5,670	20,392,400
Eugenia Falls	7,300	7,519	11,952,200
Wasdells Falls	1,000	1,200	4,207,460
South Falls	5,200	5,496	12,267,680
High Falls	2,400	2,292	4,726,080
Carleton Place	400	395	13,328
Nipissing	2,346	2,319	6,421,600
Bingham Chute	1,200	1,305	1,210,240
Totals, hydro-electric plants	896,181	893,953*	3,047,634,684
STEAM PLANTS			
Toronto steam plant	20,000	.....	.....

POWER PURCHASED

Company or Commission	Contract amount horsepower	Peak horsepower	Total purchase kilowatt-hours
Canadian Niagara Power Company	20,000	21,046	86,636,900
Hamilton Cataract Power Company	466	466	813,532
Orillia Water, Light & Power Commission	1,200	3,083	5,333,040
Hanover Cement Company	500	522	330,960
Corporation of Bracebridge	536	536	860,250
Cedar Rapids Power Co	5,350	5,350	19,397,500
Rideau Power Company	650	1,005	2,824,848
Ottawa and Hull Power & Manufacturing Co.	15,500	14,818	48,108,000
Campbellford Water & Light Commission	1,609	2,144	1,664,800
Peterboro Hydraulic Power Company†	.....	2,547	151,440
Canadian General Electric Co., Peterboro†	.....	536	800
Corporation of Fenelon Falls†	.....	268	400
Total purchased	45,811	52,321*	166,122,470
Grand total, 1925	961,992	946,274*	3,213,757,154
Grand total, 1924	864,600	781,666*	3,001,801,041
Increase	97,392	164,608	211,956,113

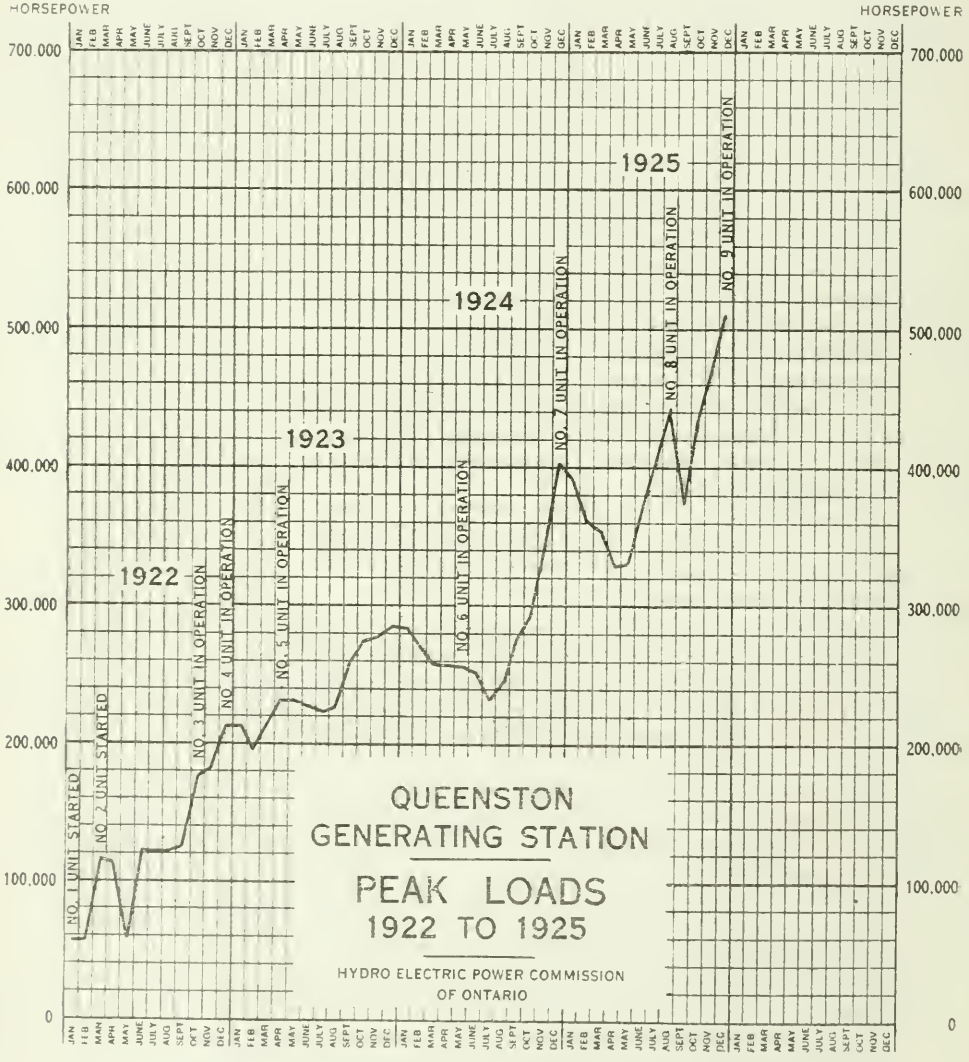
*Peak totals given are direct sums of plant peaks as shown without allowance for diversity in time. Therefore these totals do not indicate the demands on the various systems where there is more than one plant supplying power.

†Reciprocal arrangement for surplus power.

HORSEPOWER
HORSEPOWER
NIAGARA SYSTEM
PEAK LOADS
1910 TO 1925
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
1925
1924
1923
1922
1921
1920
1919
1918
1917
1916
1915
1914
1913
1912
1911
1910
Note — The exceptional increase at October, 1923, is accounted for by the increment of load occasioned by the incorporation of the customers of the Toronto Power Company and the Ontario Power Company,—less export power
JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC

NIAGARA SYSTEM

As explained in last year's Report, the Niagara system now includes what were formerly known as the Ontario Power Company system, and the Toronto Power Company system. The generating stations of the respective companies are referred to throughout the Annual Report as the "Ontario Power" plant and the "Toronto Power" plant. They are known departmentally as stations N25 and N26.



QUEENSTON GENERATING STATION

Plant N20

On December 15, 1924, No. 7 generator, rated at 62,000 horsepower, was placed on load. On August 10, 1925, No. 8 generator, rated at a like amount, was also placed in service.

On the electrical equipment changes were made on the low-tension bus and relay system, which have increased the flexibility of operation of units Nos. 5 and 6, 7 and 8.

No serious operating difficulties were encountered during the past winter from ice in the canal or forebay, and no reductions in load were necessary on this account.

On December 27, 1924, an ice jam started in the lower section of the Niagara river from Niagara-on-the-Lake to Fosters Flats. This caused a maximum rise of 17.15 feet in the tail-race on December 29, after which the river subsided, continuing about eight feet above normal during January and February, 1925. This, however, caused no operating difficulties, beyond slightly reducing the net head on the plant and consequently the plant capacity.

Maintenance work where required was carried on during the year on all equipment and the plant was kept up to the Commission's high standard of operating efficiency.

ONTARIO POWER GENERATING STATION

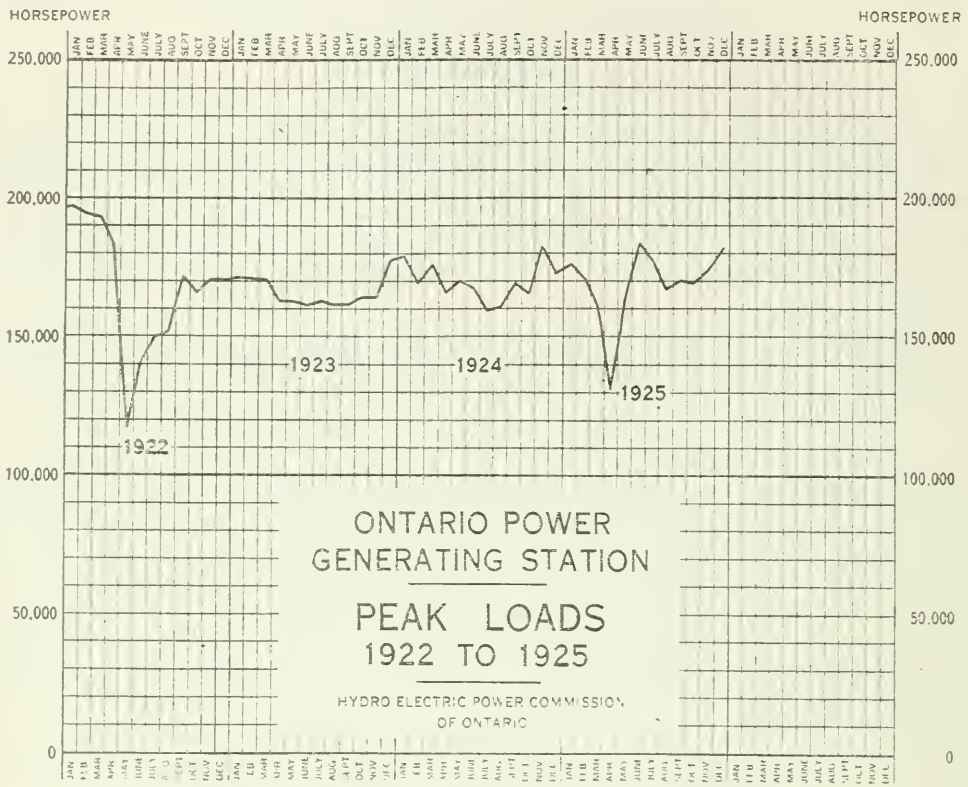
Plant N25

No extensive changes in equipment have been made at this plant during the past year. Regular maintenance work has kept the plant up to the high standard of the Commission.

Repairs were made to the stator windings of generators Nos. 1, 3, 4 and 6 following breakdowns in these machines. A new relief valve was placed in No. 5 penstock and No. 3 and No. 8 valves were repaired.

On April 27, No. 1 pipe line was drained and opened for inspection. This pipe line is eighteen feet in diameter and of steel construction. The entire pipe was found to be in first-class condition and no repairs were necessary.

The illumination of Niagara Falls was turned on for the first time on May 25 at 9 p.m. This illumination is supplied by twenty-four giant arc searchlights, thirty-six inches in diameter, and each is equipped with colour screens so that light of different colours may be played on the Falls. These searchlights have a total of 1,440,000 beam lumens, and require about 400 horsepower for their operation. These lamps are all mounted on the parapet of one of the Commission's buildings situated in Queen Victoria Niagara Falls park, and are operated by the Commission's staff for a special committee appointed locally to arrange for the illumination of the Falls.



TORONTO POWER GENERATING STATION

Plant N26

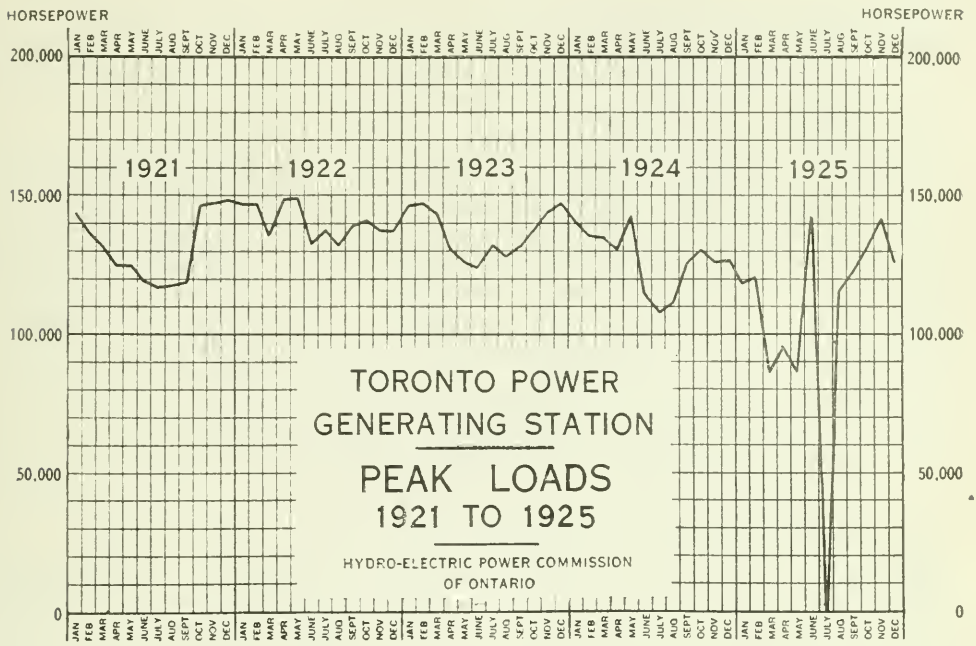
No extensive changes of equipment have been made at this station, but a considerable amount of maintenance work has been carried out during the year to keep the plant up to the standards of the Commission.

Two Kingsbury thrust bearings were installed on Nos. 1 and 3 generators, replacing the oil-pressure thrust bearings originally installed on these machines. To date the operation of these bearings has been very satisfactory, and it is planned to equip with similar bearings the other machines in the station during the coming year.

On June 25, 1925, this station was completely closed down as far as generation was concerned, in order to make repairs to the floor of the tailrace tunnel. The holes which were disclosed during the 1924 inspection were filled with concrete, and the complete plant was placed in operation again on August 16, 1925.

Repairs were made to the stator windings of Nos. 3 and 6 generators following breakdowns on October 19, 1925. No. 3 generator was placed in service again on October 23, and No. 6 on October 28, 1925.

A new rag laundry was installed in the stores building where the used wipers from our three plants at the Falls are renovated and returned to stock. This has effected a considerable saving for the Commission.

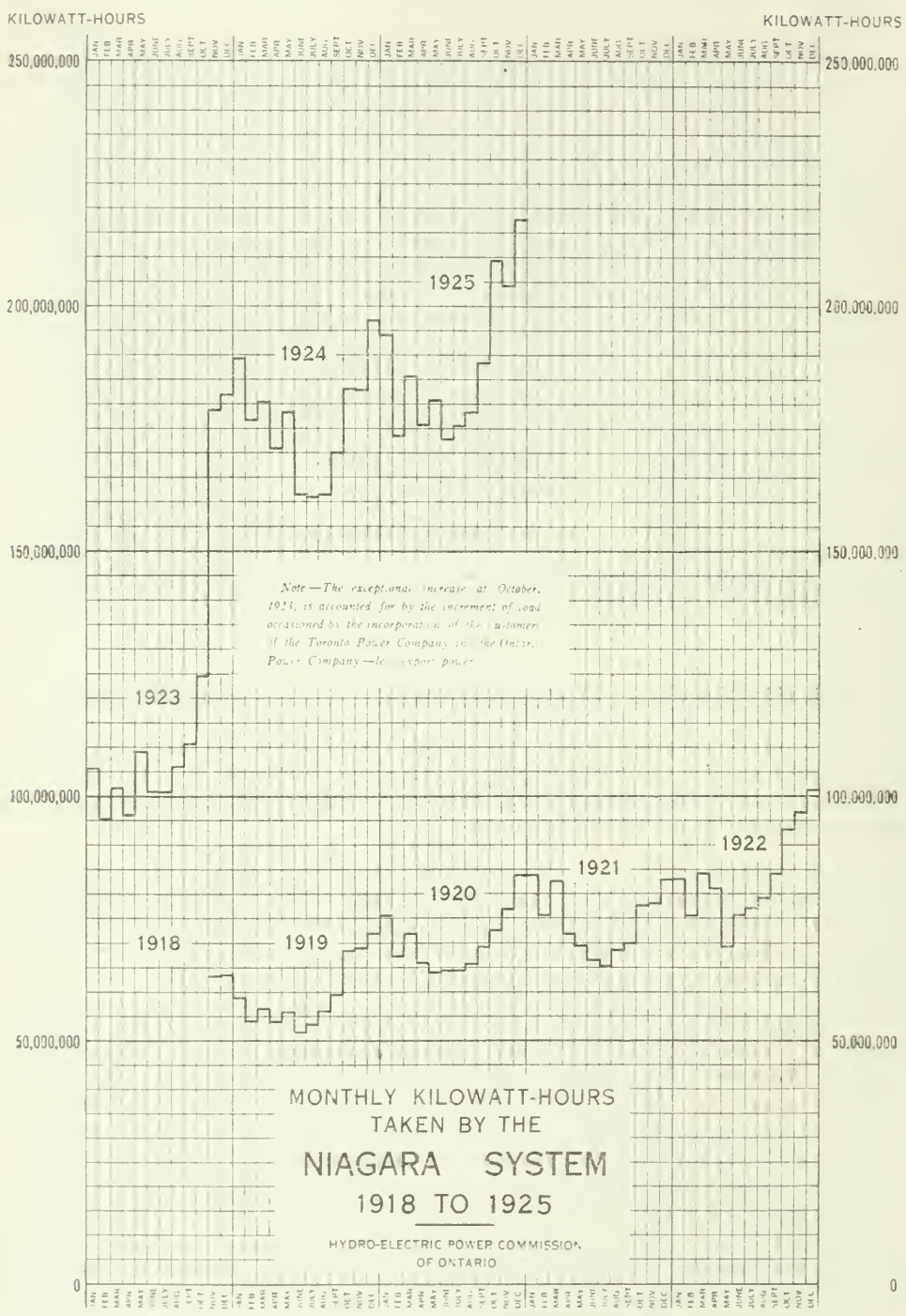


TRANSMISSION, TRANSFORMATION AND DISTRIBUTION

The power supply to the 110,000-volt system from the generating plants at Niagara has been practically continuous throughout the year; the supply to the western lines has been without interruption; the supply to the eastern lines was interrupted for seventeen minutes.

The sub-division of the 110,000-volt system into two sections has been continued during the year and has shown the same advantages as in the previous year, any trouble on the one section not being reflected on the other section. There is a further sub-division contemplated during the coming year, due to the larger number of generators in service at the Queenston plant.

The only construction on the 110,000-volt lines altering operating conditions has been in connection with the lines between York station and Strachan Avenue station, Toronto. Two additional circuits were put into operation on this section, increasing the reliability of service to Toronto, and reducing the line losses. These two additional circuits are carried part way on new four-circuit steel towers between Strachan avenue and Sunnyside. During the construction of these towers, the two circuits formerly supplying Strachan Avenue station were operated on a temporary wood-pole line, and then transferred to the new four-circuit towers. From Sunnyside the two new circuits are carried on double-circuit steel towers along Mimico creek to York station, following a separate right-of-way to that used by the two older circuits. At York station the line connections and switching arrangements were altered, the two new circuits and the two older circuits being connected to the four lines already in operation up to this point. The temporary switching structure erected at York station in 1922 was dismantled.


KILOWATT-HOURS
KILOWATT-HOURS
250,000,000
200,000,000
150,000,000
100,000,000
50,000,000
0
1925
1924
1923
1922
1921
1920
1919
1918
Note—The exceptional increase at October, 1923, is accounted for by the increment of load occasioned by the incorporation of the customers of the Toronto Power Company into the Ontario Power Company—le... export power.
MONTHLY KILOWATT-HOURS
TAKEN BY THE
NIAGARA SYSTEM
1918 TO 1925
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

From St. Thomas to Essex the double strain insulators and yokes were replaced with single strings of new insulators. Trees and bush were trimmed on both the north and south loops between Dundas and London.

On the low-tension systems a number of circuits were completely overhauled, poles were lowered, larger conductors strung, and circuits rearranged. Two of the four circuits between Dundas station and Paradise road were removed, and the two remaining circuits rearranged to give greater spacing between wires. A large amount of work was necessary in relocating lines for highway improvements in the Dundas, Guelph, Preston, Kitchener, Brant, Essex, and Cooksville districts.

On the high-tension lines and distributing lines, the usual inspection and maintenance work was carried out during the year. On the 110,000-volt and 46,000-volt lines, inspection was made of 184,251 insulators, of which 5,543 units tested as defective, and were replaced. This gives a percentage of 2.95 per cent defective and eliminated. During this inspection, on the strain towers, the tower hooks used to dead-end the strain insulators were replaced by clevises and tower eyes.

During the year, electrical storms were reported on sixty-nine days, twenty-four of these were of a general nature, traversing the greater part of the system. There were no severe wind or sleet storms which adversely affected the high-tension system, except on one section on the north loop where a small amount of sleet was reported which caused trouble of an entirely local nature. One lightning storm in the Kent district and a wind storm in the Seaforth district caused some damage to the low-tension lines, and inconvenience to local customers.

At Toronto the capacities of Bridgman and Wiltshire stations were increased by the addition of a 15,000-kv-a. bank of transformers in each, making their capacity 45,000 kv-a. each. Two 13,000-volt tie cables were installed between Bridgman and Davenport stations, so that the Davenport station load could be carried on the Queenston plant when necessary; this station was formerly fed entirely from the Toronto Power system. Davenport station was phased out with the Niagara system, and paralleled with it on July 5, 1925. Final connections were made and the station was ready for service on July 17, 1925.

At Kitchener, extensive alterations to the building and equipment were started. All high-tension lines have been connected to out-door oil-breakers, and the high-tension room has been remodelled to permit of the installation of a 15,000-kv-a. bank of transformers.

At Woodstock, St. Thomas and St. Marys, emergency connections were installed between the low-tension bus and the high-tension bus, in order to feed 13,000-volt power from London during emergency, and to facilitate station maintenance work and the cleaning of the high-tension equipment without interrupting the supply of power.

At Dundas, London, St. Thomas, Kent and Essex stations, the 110,000-volt horn-gap towers were redesigned with sphere-gap equipment, in order to improve the protective features of the 110,000-volt, electrolytic, lightning arresters.

At Petrolia, the distributing station was completely rebuilt after a fire.

At Dundas, the service transformer bank was replaced with three 150-kv-a. units, and a new telephone exchange board was installed, which has speeded up operating work.

Telephone protective equipment was installed in practically all the low-tension distributing and municipal stations.

During the year, a number of changes have been made in the capacity of the distributing stations, due to growth in load, as follows:

Lincoln station	One 300-kv-a. unit added.
Caledonia	One 300-kv-a. unit added.
Dundas rural	Three 150-kv-a. units replace one 300-kv-a. unit.
Glendale	Three 150-kv-a. units replace one 150-kv-a. unit.
Elmira	Three 250-kv-a. units replace three 150-kv-a. units.
St. Jacobs	Three 100-kv-a. units replace one 150-kv-a. unit.
Palmerston	Three 150-kv-a. units replace three 75-kv-a. units.
Aylmer	Three 250-kv-a. units replace three 75-kv-a. units.
West Lorne	Three 150-kv-a. units replace three 75-kv-a. units.
Ayr	Three 150-kv-a. units replace three 75-kv-a. units.
Bothwell	No. 2 bank of three 75-kv-a. units added.
Kingsville	Bank of three 75-kv-a. units added.
Exeter	Three 150-kv-a. units replace three 100-kv-a. units.
Keswick	Three 15-kv-a. Booster transformers added.

New distributing stations have been placed in operation with transformer equipment, as follows:

Interprovincial Brick Co.	Three 75-kv-a., single-phase, in-door units.
Long Branch	Three 250-kv-a., single-phase, out-door units.
Sandwich	Two 1,500-kv-a., three-phase, out-door units.
Sandwich rural power district	Three 150-kv-a., single-phase, out-door units.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925

Municipality	Peak load in horsepower			Change in load, 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease*	Increase
Acton	352.5	359.2	437.0	.....	77.8
Agincourt	33.5	50.9	54.9	....	4.0
Ailsa Craig	126.0	64.3	65.7	.....	1.4
Alvinston	85.7	135.0	117.4	17.6	....
Amherstburg	545.5	301.0	319.0	.....	18.0
Ancaster township	185.7	225.2	268.1	.....	42.9
Aurora	.....	460.6	545.6	.....	85.0
Aylmer	253.3	310.0	384.0	.....	74.0
Ayr	91.0	73.4	88.7	.....	15.3
Baden	250.6	252.7	314.2	.....	61.5
Barton township	.....	473.0	551.5	.....	78.5
Beachville	353.8	400.5	370.0	30.5	.....
Belle River	53.6	65.6	77.7	.....	12.1
Blenheim	174.0	307.0	372.6	.....	65.6
Blyth	.....	70.0	56.3	13.7	.....
Bolton	134.9	94.0	92.6	1.4	.....
Bothwell	126.8	149.0	150.1	.....	1.1
Brampton	1,249.3	1,300.3	1,282.8	17.5	.....
Brantford	7,292.0	7,384.8	8,400.1	.....	1,015.3
Brantford township	.....	319.6	320.7	.....	1.1
Brigden	42.3	133.5	110.7	22.8	.....
Brussels	.....	101.6	107.2	.....	5.6
Burford	68.6	83.6	81.7	1.9	.....
Burgessville	37.5	40.2	40.0	0.2	.....

*In some instances the decreases shown are due entirely or in part to transference of load from a municipality to a newly-established rural power district.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925—Continued

Municipality	Peak load in horsepower			Change in load, 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease*	Increase
Caledonia	147.6	198.4	230.5	.....	32.1
Cayuga	.....	49.6	51.0	.....	1.4
Chatham	3,053.6	3,454.2	3,698.3	.....	244.1
Chippawa village	109.9	142.0	241.6	.....	99.6
Clifford	.....	32.1	34.3	.....	2.2
Clinton	265.4	312.3	337.8	.....	25.5
Comber	102.9	170.2	217.1	.....	46.9
Courtright	.....	28.8	28.8	.....	.....
Dashwood	51.2	42.3	57.6	.....	15.3
Delaware	13.4	19.0	17.7	1.3	.....
Dorchester	48.4	55.1	73.2	.....	18.1
Drayton	67.0	81.7	76.4	5.3	.....
Dresden	202.4	190.3	273.4	.....	83.1
Drumbo	30.8	49.2	44.9	4.3	.....
Dublin	30.3	36.2	37.0	.....	0.8
Dundas	1,159.5	1,064.3	1,206.4	.....	142 1
Dunnville	363.2	395.4	473.2	.....	77.8
Dutton	130.6	163.5	163.5	.....	.....
Elmira	425.0	615.0	713.1	.....	98.1
Elora	250.6	289.1	343.1	.....	54.0
Embro	60.0	53.1	63.0	.....	9.9
Erieau	.....	25.4	29.5	.....	4.1
Etobicoke township	857.8	1,215.8	1,519.5	.....	303.7
Exeter	261.0	270.8	313.6	.....	42.8
Fergus	309.6	292.2	359.2	.....	67.0
Ford City	1,407.5	1,473.2	2,031.0	.....	557.8
Forest	125.4	193.0	181.0	12.0	.....
Galt	4,906.0	5,095.3	5,290.0	.....	194.7
Georgetown	682.3	570.5	629.9	.....	59.4
Glencoe	82.5	97.3	121.4	.....	24.1
Goderich	654.1	898.0	993.3	.....	95.3
Granton	42.8	45.0	59.0	.....	14.0
Guelph	5,328.4	6,122.0	5,889.2	232.8	.....
Hagersville	689.5	780.1	864.6	.....	84.5
Hamilton	23,447.0	23,954.0	27,397.2	.....	3,443.2
Harriston	196.5	225.2	235.1	.....	9.9
Harrow	96.5	95.7	100.5	.....	4.8
Hensall	56.7	67.1	77.7	.....	10.6
Hespeler	630.0	699.7	729.2	.....	29.5
Highgate	80.4	60.3	107.2	.....	46.9
Humberstone	76.0	118.0	182.3	.....	64.3
Ingersoll	1,457.0	1,551.9	1,713.2	.....	161.3
Jarvis	.....	135.0	133.2	1.8	.....
Kingsville	280.0	219.8	269.4	.....	49.6
Kitchener	10,301.6	10,482.5	11,353.0	.....	870.5

*In some instances the decreases shown are due entirely or in part to transference of load from a municipality to a newly-established rural power district.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925—Continued

Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease*	Increase
Lambeth	50.5	59.0	76.9	.....	17.9
Leamington	364.6	414.2	451.7	.....	37.5
Listowel	429.0	489.3	473.2	16.1	.....
London	18,114.6	17,418.0	19,113.6	.....	1,695.6
Lucan	122.0	164.7	163.5	1.2	.....
Lynden	117.9	119.3	134.0	.....	14.7
Markham	114.4	91.0	114.0	.....	23.0
Merlin	88.4	85.8	136.7	.....	50.9
Merritton	375.3	615.3	697.0	.....	81.7
Milton	985.0	933.0	1,013.9	.....	80.9
Milverton	426.2	433.0	395.4	37.6	.....
Mimico	981.2	1,240.0	1,421.0	.....	181.0
Mimico Asylum	37.5	37.5	37.5	.....	.....
Mitchell	256.0	305.6	313.4	.....	7.8
Moorefield	34.2	40.2	45.0	.....	4.8
Mount Brydges	28.8	37.3	34.8	2.5	.....
Newbury	33.5	29.5	25.5	4.0	.....
New Hamburg	360.5	382.8	425.3	.....	42.5
Newmarket	.....	596.0	631.3	.....	35.3
New Toronto	1,984.0	2,780.2	3,371.3	.....	591.1
Niagara Falls	5,565.6	6,106.0	6,914.2	.....	808.2
Niagara-on-the-Lake	215.8	261.4	316.3	.....	54.9
Norwich	337.8	445.0	256.0	189.0	.....
Oil Springs	214.4	210.4	221.2	.....	10.8
Ontario Agriculture College	248.0	174.2	252.0	.....	77.8
Ontario Central Reformatory	209.1	183.6	231.2	.....	47.6
Otterville	49.5	51.7	60.3	.....	8.6
Palmerston	233.2	289.5	321.7	.....	32.2
Paris	1,008.0	1,104.1	1,217.5	.....	113.4
Parkhill	85.7	93.3	104.5	.....	11.2
Petrolea	768.0	792.3	785.5	6.8	.....
Plattsville	36.2	35.2	32.0	3.2	.....
Point Edward	.....	496.0	568.3	.....	72.3
Port Colborne	469.0	710.4	1,116.0	.....	405.6
Port Credit	207.7	306.3	349.2	.....	42.9
Port Dalhousie	182.3	214.5	234.6	.....	20.1
Port Dover	114.0	131.1	233.5	.....	102.4
Port Stanley	147.4	147.4	128.7	18.7	.....
Preston	2,193.0	2,497.3	2,576.4	.....	79.1
Princeton	28.1	37.0	30.1	6.9	.....
Queenston	53.6	91.0	76.4	14.6	.....
Richmond Hill	.....	100.0	128.0	.....	28.0
Ridgetown	249.3	311.0	347.8	.....	36.8
Riverside	281.5	391.4	530.8	.....	139.4
Rockwood	51.4	59.7	57.6	2.1	.....
Rodney	67.9	74.1	101.3	.....	27.2

*In some instances the decreases shown are due entirely or in part to transference of load from a municipality to a newly-established rural power district.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925—Continued

Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease*	Increase
St. Catharines	6,079.0	6,314.4	6,273.8	40.6	.....
St. Clair Beach	29.6	57.6	53.6	4.0	.....
St. George	82.4	79.0	80.4	.....	1.4
St. Jacobs	42.8	47.2	121.0	.....	73.8
St. Marys	835.1	975.8	1,246.6	.....	270.8
St. Thomas	3,748.0	3,825.1	4,030.0	.....	204.9
Sarnia	4,278.8	4,281.8	4,721.8	.....	440.0
Sandwich	.....	1,610.4	2,210.3	.....	599.9
Scarboro township	755.0	1,390.0	1,423.2	.....	33.2
Seaforth	384.7	402.1	425.0	.....	22.9
Simcoe	542.8	650.6	760.0	.....	109.4
Springfield	26.8	29.5	95.1	.....	65.6
Stamford township	748.0	796.4	803.6	.....	7.2
Stouffville	79.7	84.5	95.2	.....	10.7
Stratford	4,825.7	5,466.4	5,262.0	204.4	.....
Strathroy	512.0	596.5	632.7	.....	36.2
Streetsville	563.0	497.3	305.6	191.7	.....
Sutton	53.6	63.6	101.3	.....	37.7
Tavistock	183.6	218.5	333.8	.....	115.3
Tecumseh	95.0	120.6	163.5	.....	42.9
Thamesford	114.0	108.6	115.3	.....	6.7
Thamesville	85.7	109.2	127.3	.....	18.1
Thedford	41.8	45.0	44.2	0.8	.....
Thorndale	45.5	32.1	55.0	.....	22.9
Tilbury	186.3	313.7	357.9	.....	44.2
Tillsonburg	504.6	536.8	589.1	.....	52.3
Toronto	109,411.5	124,662.0	179,405.0	.....	54,743.0
Toronto township	524.0	710.4	784.1	.....	73.7
Thorold	718.5	697.0	803.7	.....	106.7
Walkerville	4,246.6	4,017.5	3,607.2	410.3	.....
Wallaceburg	765.9	1,292.9	1,010.7	282.2	.....
Wardsville	13.6	16.0	16.9	.....	0.9
Waterdown	164.8	195.0	216.2	.....	21.2
Waterford	182.3	175.6	303.7	.....	128.1
Waterloo	1,843.0	2,245.3	2,383.3	.....	138.0
Watford	85.7	102.1	119.3	.....	17.2
Welland	1,863.2	2,202.4	2,331.1	.....	128.7
Wellesley	142.0	128.7	120.6	8.1	.....
West Lorne	222.5	278.8	296.0	.....	17.2
Weston	1,785.4	1,840.5	2,030.8	.....	190.3
Wheatley	.....	59.0	68.3	.....	9.3
Windsor	13,652.5	15,932.9	18,461.3	.....	2,528.4
Woodbridge	214.4	272.0	223.4	48.6	.....
Woodstock	2,924.2	3,280.5	3,534.8	.....	254.3
Wyoming	42.8	48.2	45.5	2.7	.....
York, North, township	.....	364.5	455.1	.....	90.6
Zurich	72.3	42.9	101.9	.....	59.0

*In some instances the decreases shown are due entirely or in part to transference of load from a municipality to a newly-established rural power district.

NIAGARA SYSTEM—NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1925	Decrease	Increase
Campbellville	Dec. 9, 1924	13.9	19.0	.....	5.1
Erie Beach	June 1925	13.4	4.0	9.4	....
London township voted area	Sept. 1, 1917	60.6	116.0	.....	55.4
Louth township	April, 1925	15.0	15.0	.....	.....
York, East, township	July 1, 1925	1,773.4	2,709.0	.....	935.6

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1924-1925

Rural power district	Peak load in horsepower		Change in load 1924-1925	
	Oct., 1924	Oct., 1925	Decrease	Increase
Aylmer	13.9	42.4	.....	28.5
Amherstburg	261.4	301.6	.....	40.2
Baden	24.6	35.2	.....	10.6
Barton	14.0	28.4	.....	14.4
Beamsville	233.2	351.2	.....	118.0
Belle River	111.2	128.7	.....	17.5
Blenheim	5.4	17.2	.....	11.8
Bolton	0.2	0.25	.....	0.05
Bond Lake	84.0	303.0	.....	219.0
Bothwell	5.4	5.4	.....	.....
Brampton	4.0	4.0	.....	.....
Brant	62.0	79.7	.....	17.7
Chatham	68.6	76.4	.....	7.8
Chippawa	61.6	92.2	.....	30.6
Delaware	56.1	62.9	.....	6.8
Dorchester	94.5	117.8	.....	23.3
Drumbo	28.1	20.0	8.1	.....
Dundas	85.8	53.6	32.2	.....
Essex	16.0	15.5	0.5	.....
Exeter	45.8	54.2	.....	8.4
Galt	26.7	24.8	1.9	.....
Grantham	139.5	215.9	.....	76.4
Harrow	4.0	4.0	.....	.....
Ingersoll	0.4	.....	0.4	.....
Jordan	22.0	20.0	2.0	.....
Keswick	73.9	78.3	.....	4.4
Kingsville from Kingsville	18.5	97.8	.....	79.3
Kingsville from Leamington	99.2	130.0	.....	30.8
Lansing	53.7	53.2	0.5	.....
London	531.4	529.5	1.9	.....

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS, 1924-1925—Continued

Rural power district	Peak load in horsepower		Change in load 1924-1925	
	Oct., 1924	Oct., 1925	Decrease	Increase
Lynden	37.5	32.2	5.3	.....
Markham	47.6	52.2	.....	4.6
Mount Joy	2.5	4.0	.....	1.5
Newmarket	2.5	3.5	.....	1.0
Niagara	111.2	360.8	.....	249.6
Petrolia	8.0	8.3	.....	0.3
Preston	148.6	232.2	.....	83.6
Ridgetown	61.6	80.4	.....	18.8
Saltfleet	230.5	273.4	.....	42.9
Sandwich	327.3	480.2	.....	152.9
Sarnia	62.9	79.7	.....	16.8
Scarboro township	7.5	14.2	.....	6.7
Stratford	116.6	100.0	16.6	.....
St. Jacobs	105.5	128.3	.....	22.8
St. Thomas	120.8	176.6	.....	55.8
Simcoe	15.0	6.5	8.5	.....
Stamford	53.6	99.0	.....	45.4
Streetsville	1.0	1.0	.....	.....
Tavistock	27.8	24.5	3.3	.....
Tilbury	1.4	2.0	.....	0.6
Tillsonburg	27.5	146.6	.....	119.1
Wallaceburg	77.2	94.3	.....	17.1
Waterford	19.8	16.0	3.8	.....
Waterdown	10.0	21.0	.....	11.0
Welland	642.1	510.0	132.1	.....
Woodbridge	72.0	148.4	.....	76.4
Woodstock	156.5	178.3	.....	21.8

NIAGARA SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1925	Decrease	Increase
Caledonia	Sept. 14, 1925	2.4	2.4	.....	.....
Georgetown	Oct. 27, 1924	7.0	9.5	.....	2.5
Goderich	June 1, 1925	20.0	20.0	.....	.....
Guelph	Jan. 1, 1925	3.0	35.8	.....	32.8
Haldimand	Feb. 7, 1925	0.7	7.0	.....	6.3
Milton	Dec. 17, 1924	4.0	4.0	.....	.....
Norwich	May 1, 1925	159.5	158.2	1.3	.....
Walton	Oct. 20, 1924	4.0	9.3	.....	5.3

GEORGIAN BAY SYSTEM

The Georgian Bay system combines the Severn, Eugenia, Wasdells and Muskoka systems, now referred to as the Severn, Eugenia, Wasdells and Muskoka divisions of the Georgian Bay system. The Muskoka system was added as a division to the Georgian Bay system in 1925.

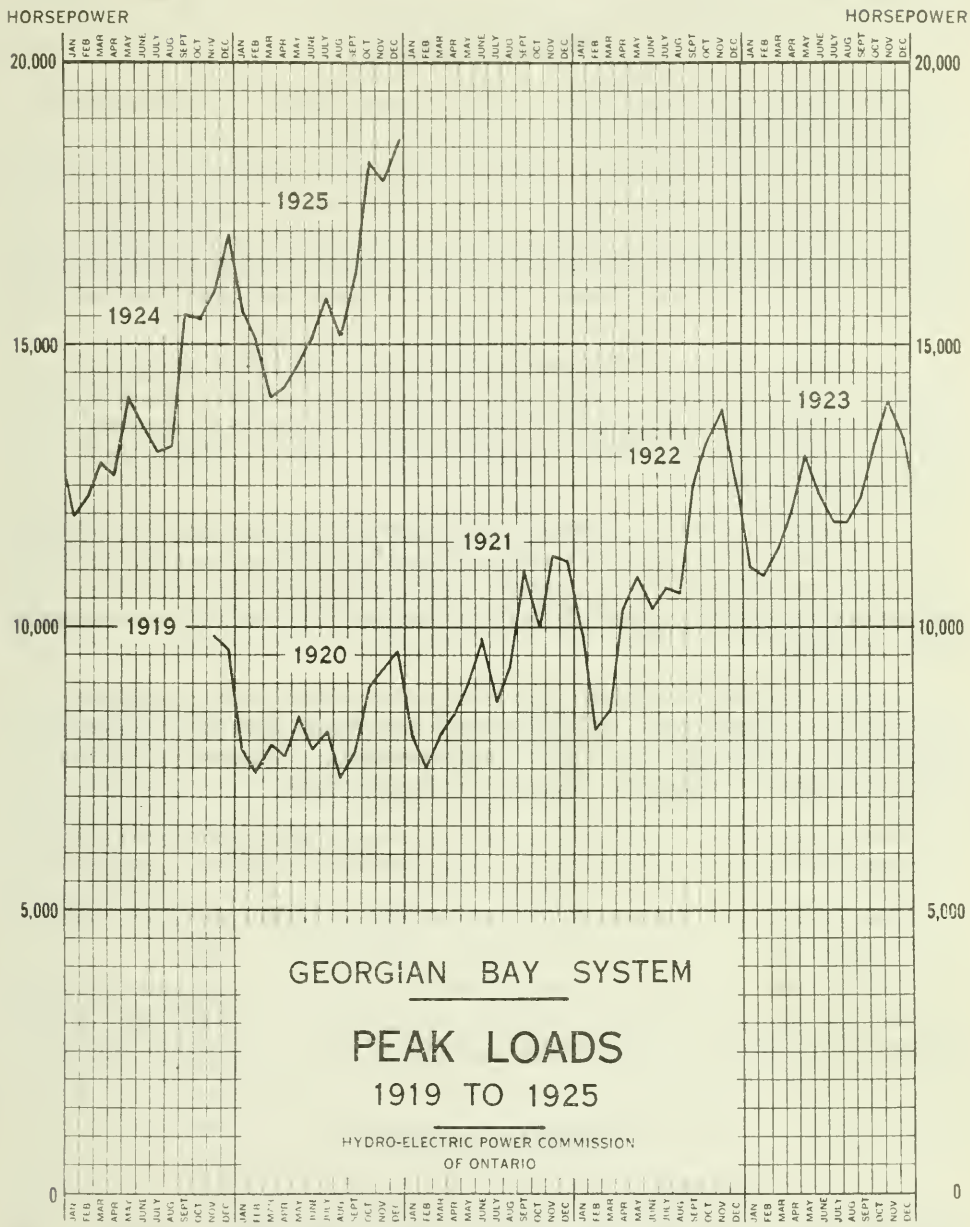
The continued combined operation of the Eugenia, Big Chute and Wasdells plants, along with the Mount Forest frequency-changer set and the supply of power from the Swift Rapids plant, has, as in the past few years, been very beneficial. The interconnection between the Muskoka and the Severn divisions has added the South Falls power house to the group of generating stations now operated in parallel, materially increasing the advantages derived from combined operation, and resulting in the more efficient use of the water available on the various watersheds. Considerable benefit was also derived from the combined operation in the continuity of service to customers it made possible whenever it was necessary to take lines, stations and power-house equipment out of operation for maintenance and adjustment, also whenever it was necessary to regulate water used or to work on waterways, canals, dams, etc., at the various plants.

The tie line, forming the connecting link between Waubaushene, on the Severn division, and the South Falls power house on the Muskoka division, was inspected and tested out in November, 1924, but was not put in commercial operation until January, 1925, when the installation of an additional unit at the South Falls plant made available surplus power for transmission to the older portion of the Georgian Bay system.

Due to the lack of autumn rains in 1924 and the continued heavy load on the various plants during the fall and winter, the storage waters were depleted to a great extent on the various watersheds, and all early indications pointed to a serious water shortage for plant operation before relief would be obtained from the spring freshets. Fortunately additional capacity was made available at the South Falls plant in January by the completion of the first of the two new units, and there was water in storage on the South Muskoka River watershed in excess of the requirements of the Muskoka division. This spare power was transmitted to the older portion of the Georgian Bay system, and afforded the necessary relief until the mild weather in the second week of February improved the water situation at the other plants.

Further investigations on the possible storage of water on the Black River watershed were made, and the existing dams on the various lakes, erected for lumber operation, were operated in the spring to conserve water and to reduce the freshet on the Severn river, and in the fall to release the storage water for power-plant operation or for conservation in other storage basins better equipped for efficient control of the storage water. This operation was made possible due to the fact that no lumbering operations were carried out on the Black River watershed during the year. The information collected from these operations will be used in a study to see if there is sufficient water available both for lumbering operations and for storage for power-plant operation.

Water-storage operations were carried out in the Hollow Lake district on the South Muskoka River watershed, using the dams installed for lumbering operations, so that there would be ample water available to be used with the increased capacity at the South Falls power house until such a time as permanent storage dams could be built to serve the same purpose.



NOTE:—The Georgian Bay system includes the Severn, Eugenia, Wasdells and Muskoka divisions. In the diagram the load for the Muskoka division is not included until November, 1924. Details respecting this load for preceding years are given in earlier Annual Reports.

Demands for power on the Georgian Bay system, both on peak and on average, have increased over previous years, taking into consideration the peaks and average loads on the Muskoka system before it was made a division of the Georgian Bay system.

Due to the extensive precipitation in the fall of 1925, all indications point to favourable water-supply conditions for power-plant operation during the fall and winter of 1925-1926.

SEVERN DIVISION

The demand for power, both on peak and average basis, has shown marked increases over last year.

Extensive line maintenance work was carried out on all the older sections of the line, especially on the original lines on this system between the Big Chute plant and Midland, where insulators, pins, crossarms, etc., were inspected and defective parts removed. A large number of new poles had to be placed in the line, and extensive pole-stubbing carried out, reinforcing poles found affected with butt-rot.

Remodelled line switching stations with new switching equipment were installed at Waubaushene in August and September, and at Fergusonvale in October. The new switching equipment replaced equipment that was inadequate for the present service, and the new arrangement has improved operating conditions on this division.

The operation and maintenance of the Fourth Street substation at Midland and the Tiffin elevator substation at Midland were taken over by the local commission at Midland, to be operated and maintained as a unit along with the stations feeding other industries in the municipality of Midland and previously under its control.

An auto-transformer station was put in service at Waubaushene in September to allow the tie line between Waubaushene and South falls to be operated at 38,000 volts, connecting through this auto-transformer station to the lines of the Severn division which are operated at 22,000 volts.

Due to increased demands for power, the 75-kv-a. transformer at the Beeton distribution station was replaced in November, 1924, by a 150-kv-a. transformer.

Some alterations were made in the location of high-tension line poles to suit changes arising out of the road work of various municipalities.

Transformer troubles were experienced at Waubaushene and Thornton distribution stations, and service was maintained by installing spare transformers until the old equipment could be repaired and put back into operation.

EUGENIA DIVISION

Due to certain defects on the high-tension lines, especially on the older sections, which became apparent during the heavy wind, sleet and snow storms of 1924-1925, and resulted in interruptions to service, extensive line maintenance work was found necessary. A general examination and replacement of pins, crossarms and insulators, was carried out, and extensive pole-stubbing was done where poles were weakened at the butt or ground line by excessive rot.

Average load conditions have increased on the Eugenia division over the past year, but peak-load demands are slightly lower in most months.

Increased transformer capacity and better relay equipment on the high-tension line at the Owen Sound substation were installed during the latter

part of the year to meet increased demands on the station and to afford better operating conditions on the lines and at the station.

Due to the No. 3 generator at the Eugenia power house failing while in service in May, it was necessary to install a complete new armature winding and make extensive repairs to the field winding. This was completed and the unit put back in service in June.

In order to prevent the formation of ice and keep the No. 2 surge tank at the Eugenia plant in efficient operating condition, heating equipment was installed, using specially prepared electrical heaters for this purpose.

Installation of a new pipe-line expansion joint on the No. 2 pipe line at the Eugenia plant was carried out in May of this year.

Readjustment in the location of some of the operating staff on the Eugenia division was made to suit operation and maintenance work, and to provide more suitable living accommodation for the staff actually required at the plant. A portion of the staff, generally employed on division duties, are now located at Markdale where a Eugenia Division operating and maintenance office was opened to handle the system details.

Due to certain work on roadways, carried out by the Provincial Highways department, considerable alterations were required in our high-tension lines.

Special maintenance work was carried out on the main storage dam at the Eugenia reservoir during the past summer. The defective concrete was removed from the top of the dam and replaced by new concrete, and the total top of the dam was given a special treatment with waterproof compound to preserve the deck of the dam and protect it from the effect of the changeable weather and the frost and ice.

WASDELLS DIVISION

The demands for power on this division, both on peak and average, have shown a small increase over the last fiscal year.

The general plan of operation at the Wasdells power house has been to utilize all the water available at this plant in generating power, and, in this way, conserve water in other storage basins on the Georgian Bay system during the months of the year that this operation can be favourably and efficiently carried out.

A number of new extensions to rural power districts were made and extensive maintenance work was carried out on the older portions.

Extensive maintenance work was also carried out on the older portions of the 22,000-volt and 4,000-volt lines on the pins, crossarms and cables, and poles that had become defective due to butt-rot at the ground line were stubbed. The heavy wind and snow storms of the fall and early winter of 1924-1925, causing interruptions to service, showed the necessity of this work.

Alterations were made to the metering equipment at the Uxbridge metering station to accommodate increased load in this district.

The Sparrow Lake rural power feeder was installed at the Wasdells power house to supply power to the Sparrow Lake rural power distribution system. This line was constructed during the year to supply light and power to the villages of Washago and Severn, and was placed in service in September, 1925.

Alterations to the high-tension line poles at several points on this division were made to accommodate changes in roadways and road work carried out by the Provincial Highways department and various municipalities.

MUSKOKA DIVISION

The demands for power on this division, both on peak and average, compared with last year show a slight increase.

No. 3 unit, with pipe line and head-gate, being the first of the two new units to be installed in the present extension at the South Falls plant, was placed in service in January, 1925. Due to the heavy load and threatened water shortage on the other divisions of the Georgian Bay system, the two old units and the new unit at South falls were kept in operation to help carry the load until early spring freshets relieved the situation.

The old No. 1 unit was taken out of service in April, and the new No. 1 unit with pipe line and head-gate was placed in service in July. As soon as sufficient capacity was available to meet the load demands, the No. 2 pipe line, turbine and generator, were taken out of service and extensive repairs were made on the turbine to put it in good operating condition. Repairs were also made to the pipe line to keep it in safe operating condition.

In order to meet the conditions arising out of the load and shortage of water on the older portion of the Georgian Bay system, power was purchased from the local plants at Bracebridge, up to the capacity of the temporary construction substation, until such time as relief was experienced by additional water from the spring freshet.

The new tie line, between the South Falls plant and Waubaushene on the Severn division, was tested out in November, and was put in service, in commercial operation, in January at 22,000 volts. In September, following completion of the auto-transformer station at Waubaushene, the voltage was changed to 38,000 volts.

The new out-door substation to supply Gravenhurst was put in operation in March, 1925, the power supply being taken off the tie line. This replaced the service from the 6,600-volt line to the South Falls power house.

The telephone equipment at the South Falls plant was remodelled and adjusted to meet the new and more complicated operating conditions at South Falls plant arising out of operation in parallel with the other plants on the Georgian Bay system. A long-distance, water-level recorder was installed in the generating station to indicate to the operator the water levels at the head-gates. A long-distance electrical control on No. 1 and No. 3 head-gates enables the operator to regulate the head-gates from the plant.

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925

Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease	Increase
Severn Division					
Alliston	135.0	143.4	159.5	.....	16.1
Barrie	1,315.6	1,378.0	1,510.1	.....	132.1
Beeton	97.8	96.5	116.6	.....	20.1
Bradford	87.6	108.2	133.3	.....	25.1
Camp Borden	214.4	216.0	171.6	44.4	.....
Coldwater	84.4	62.7	95.1	.....	32.4
Collingwood	1,239.2	1,135.4	1,265.4	.....	130.0
Cookstown	39.9	44.2	46.9	.....	2.7
Creemore	57.6	72.3	85.8	.....	13.5
Elmvale	143.0	144.1	140.2	3.9	.....
Midland	1,605.9	2,996.0	4,291.0	.....	1,295.0
Penetang	471.8	370.0	521.4	.....	151.4
Port McNicoll	57.6	67.7	71.7	.....	4.0
Stayner	108.5	122.1	102.7	19.4	.....
Thornton	16.3	19.0	26.8	.....	7.8
Tottenham	40.8	46.3	50.4	.....	4.1
Victoria Harbour	52.0	56.3	69.7	.....	13.4
Waubaushene	33.5	37.9	37.9	.....	.....
Eugenia Division					
Arthur	109.2	115.2	142.0	.....	26.8
Carlsruhe and Neustadt	211.1	191.7	103.2	88.5	.....
Chatsworth	28.9	32.1	42.9	.....	10.8
Chesley	293.0	322.0	355.2	.....	33.2
Dundalk	128.6	119.3	129.0	.....	9.7
Durham	474.0	469.2	589.8	.....	120.6
Elmwood	36.9	38.8	43.3	.....	4.5
Flesherton	54.7	62.2	60.7	1.5	.....
Grand Valley	70.5	80.4	90.2	.....	9.8
Hanover	1,579.0	1,435.6	709.1	726.5	.....
Holstein	10.4	14.4	14.4	.....	.....
Hornings Mills	5.0	5.0	5.0	.....	.....
Kincardine	227.8	238.6	238.6	.....	.....
Lucknow	81.7	83.1	117.4	.....	34.3
Markdale	112.6	102.2	106.8	.....	4.6
Meaford	.....	220.0	237.2	.....	17.2
Mount Forest	170.2	196.4	263.2	.....	66.8
Orangeville	244.4	280.1	316.9	.....	36.8
Owen Sound	1,731.9	1,702.5	1,831.1	.....	128.6
Paisley	56.3	71.0	79.0	.....	8.0
Priceville	10.0	12.8	12.0	0.8	.....
Ripley	39.6	51.0	46.9	4.1	.....
Shelburne	148.7	205.0	264.7	.....	59.7
Tara	46.2	54.3	51.0	3.3	.....
Teeswater	132.7	115.8	148.8	.....	33.0
Wingham	380.7	368.6	270.8	97.8	.....
Wasdells Division					
Beaverton	132.7	167.5	148.8	18.7	.....
Brechin	50.9	44.7	48.2	.....	3.5
Cannington	93.8	102.4	106.7	.....	4.3
Kirkfield	26.8	32.4	23.3	9.1	.....
Port Perry	91.0	95.8	113.9	.....	18.1

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925—Continued

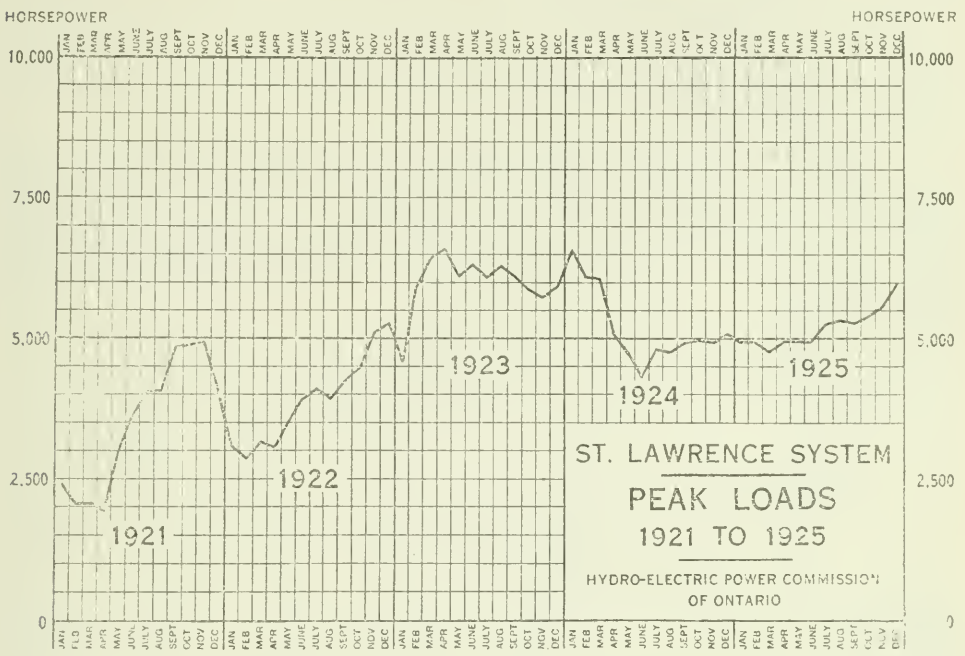
Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease	Increase
WASDELLS DIVISION—Continued					
Sunderland	56.3	56.0	51.6	4.4	.....
Uxbridge	83.0	107.0	110.5	.....	3.5
Victoria Rd	13.6	10.8	8.8	2.0	.....
Woodville	57.6	52.0	50.0	2.0	.....
MUSKOKA DIVISION					
Gravenhurst	544.2	411.5	389.5	22.0	.....
Huntsville	896.7	966.5	1,005.3	.....	38.8

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS, 1924-1925

Rural power district	Peak load in horsepower		Change in load 1924-1925	
	Oct., 1924	Oct., 1925	Decrease	Increase
SEVERN DIVISION				
Barrie	16.0	34.2	.....	18.2
Elmvale	8.9	10.0	.....	1.1
Nottawasaga	17.4	21.4	.....	4.0
Stayner	12.7	18.7	.....	6.0
EUGENIA DIVISION				
Flesherton	3.5	2.9	0.6	.....
Markdale	5.0	5.0	.....	.....
Walkerton	1.0	1.0	.....	.....
WASDELLS DIVISION				
Cannington No. 1	11.0	13.0	.....	2.0
Cannington No. 2	11.0	8.7	2.3	.....
Mariposa	37.5	46.9	.....	9.4
Port Perry	2.5	3.0	.....	0.5

GEORGIAN BAY SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1925	Decrease	Increase
EUGENIA DIVISION					
Tara	Jan. 1, 1925	0.75	0.75	.....	.....
WASDELLS DIVISION					
Sparrow Lake	Sept. 9, 1925	16.0	16.0	.....	.....
Uxbridge	Sept. 1, 1925	1.0	1.0	.....	.....



ST. LAWRENCE SYSTEM

An understanding of the trend of peak loads of the St. Lawrence system for the past few years, as shown by the graph here presented, requires some knowledge of the loads of the large industrial customers, and a brief resume may be useful.

During 1921 and 1922, the load of a paper manufacturing company grew rapidly and contributed largely to the total system growth. The prominence in the graph from May to December, 1921, however, is due to the operation for those months only of a pulp company. The paper company's load reached a maximum during 1923 and thereafter fell off slightly, but here again the exceptional prominence from February, 1923, to March, 1924, was due to the operation of the same pulp company, which has since taken no further load.

Bearing in mind these causes of irregularity in the load graph, the statement that the municipal load of the system has shown, on the whole, reasonably steady and consistent growth up to and including the year 1925, will not be surprising.

During the latter part of January and the early part of February, 1925, the Cedar Rapids Transmission Company was unable, for a considerable period, to supply the full system power requirements on account of ice trouble at the Cedar Rapids generating station. There were, in fact, four days on which total interruptions of various duration occurred in the company's supply, and upwards of eight additional days on which the supply was greatly reduced.

The Brockville Public Utilities Commission used its steam plant to make up its deficiency, and by arrangement its surplus steam power was made available for the rest of the system. Nevertheless, despite enforced economies and various expedients, the shortage resulted at times in a general curtailment.

The Commission's new pin-type insulator tester, known as the statiphone, has been of great help in locating defective 44,000-volt insulators, and in materially reducing the interruptions necessary for testing and replacing as previously carried out.

Among minor operating betterments may be mentioned the use of fuses on the Alexandria line at Cornwall, which benefits the Howard Smith Paper Company by clearing trouble without interrupting the supply to the company; the provision of better transformer bushings made of porcelain for the Apple Hill and Alexandria transformers; and site improvements at the Howard Smith Paper Company.

ST. LAWRENCE SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925

Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease	Increase
Alexandria	187.6	207.7	299.6	.....	91.9
Apple Hill	21.4	24.6	30.0	.....	5.4
Brockville	1,277.6	1,170.9	1,295.4	.....	124.5
Chesterville	170.2	210.4	206.4	4.0	.....
Lancaster	26.8	24.3	25.3	.....	1.0
Martintown	13.6	15.0	14.7	0.3	.....
Maxville	58.9	46.9	40.2	6.7	.....
Prescott	264.0	322.8	403.2	.....	80.4
Williamsburg	22.0	27.0	26.2	0.8	.....
Winchester	102.0	121.3	152.8	.....	31.5

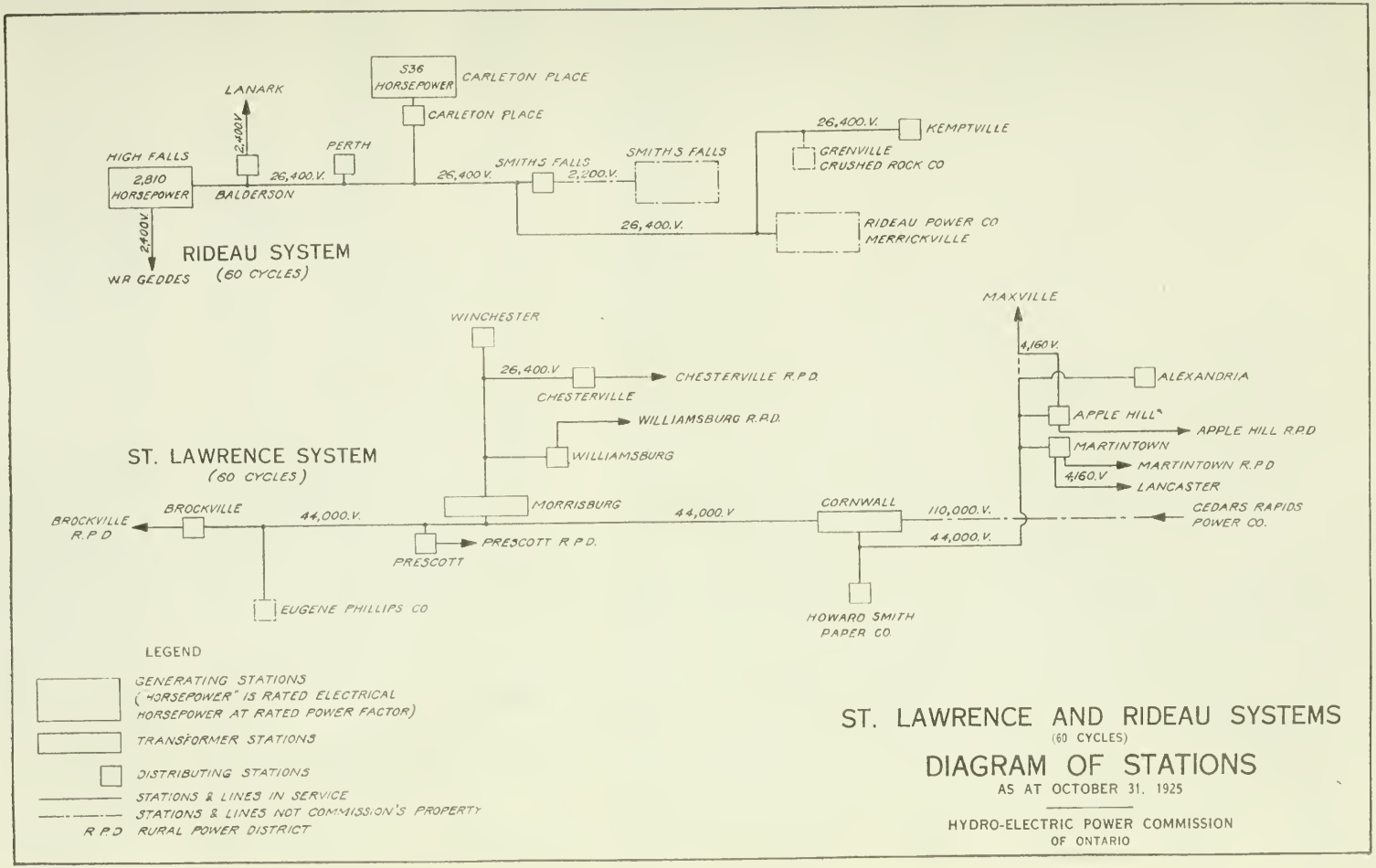
ST. LAWRENCE SYSTEM—RURAL POWER DISTRICT LOADS, 1924-1925

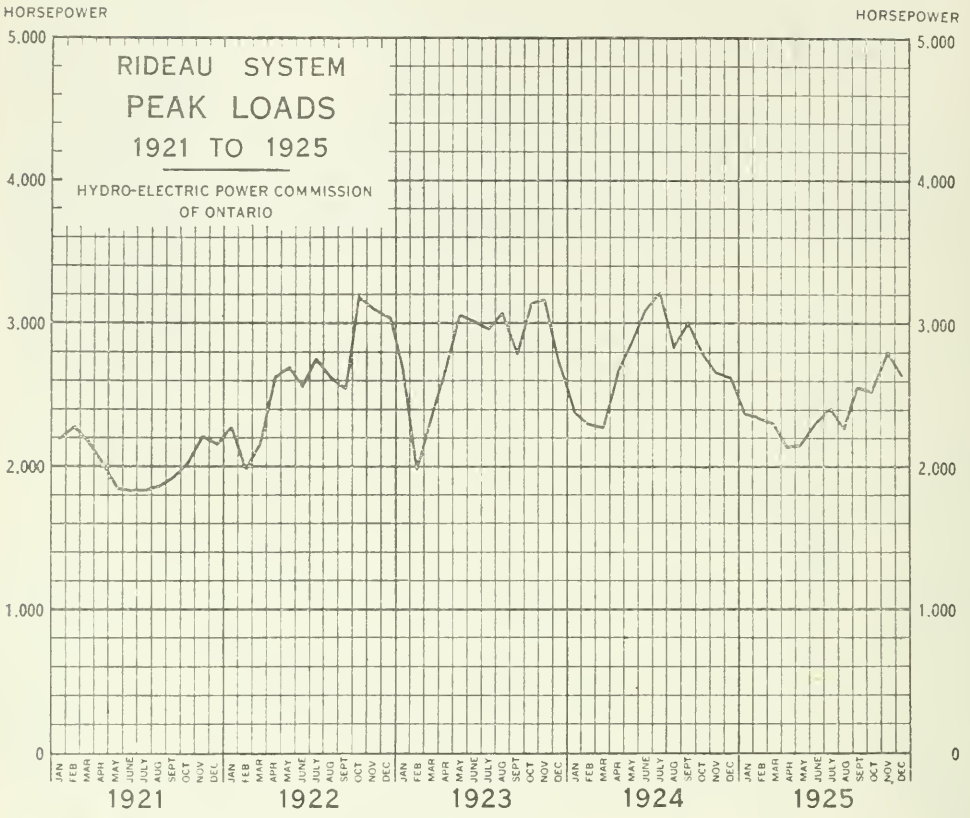
Rural power district	Peak load in horsepower		Change in load 1924-1925	
	Oct., 1924	Oct., 1925	Decrease	Increase
Brockville	49.4	37.5	11.9	.....
Chesterville	11.8	12.8	.....	1.0
Martintown	12.9	23.2	.....	10.3
Prescott	36.4	16.3	20.1	.....

RIDEAU SYSTEM

The decrease in Rideau System load during 1925 is largely due to the loss of one large power consumer, which has not operated since December 28, 1924, but the very quiet industrial condition in the district is also partly responsible.

During the entire season the water supply was ample, in fact, it was large enough to be troublesome in that it interfered with the scheduled work at Cross


536 HORSEPOWER
CARLETON PLACE
CARLETON PLACE
LANARK
2,400V.
PERTH
HIGH FALLS
2,810 HORSEPOWER
26,400.V.
BALDERSON
26,400 V.
SMITHS FALLS
2,200.V.
SMITHS FALLS
26,400.V.
KEMPTVILLE
GRENVILLE CRUSHED ROCK CO
26,400.V.
RIDEAU POWER CO MERRICKVILLE
2,400V.
WR GEDDES
RIDEAU SYSTEM
(60 CYCLES)
WINCHESTER
26,400.V
CHESTERVILLE
CHESTERVILLE R.P.D.
WILLIAMSBURG R.P.D.
WILLIAMSBURG
ST. LAWRENCE SYSTEM
(60 CYCLES)
MAXVILLE
4,160.V.
ALEXANDRIA
APPLE HILL
APPLE HILL R.P.D
MARTINTOWN
MARTINTOWN R.P.D
4,160.V.
LANCASTER
BROCKVILLE R.P.D
BROCKVILLE
44,000.V.
MORRISBURG
44,000.V
CORNWALL
110,000.V.
CEDARS RAPIDS POWER CO.
44,000.V.
PRESCOTT
PRESCOTT R.P.D.
EUGENE PHILLIPS CO
HOWARD SMITH PAPER CO.
LEGEND
GENERATING STATIONS
("HORSEPOWER" IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS
DISTRIBUTING STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
R.P.D RURAL POWER DISTRICT
ST. LAWRENCE AND RIDEAU SYSTEMS
(60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1925
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO



lake. The temporary dam at the Mazinaw and the additional storage created through the construction of small dams on McClintock, Buckshot, Mississagogan and Farm lakes were contributary causes, but favourable climatic conditions were chiefly responsible.

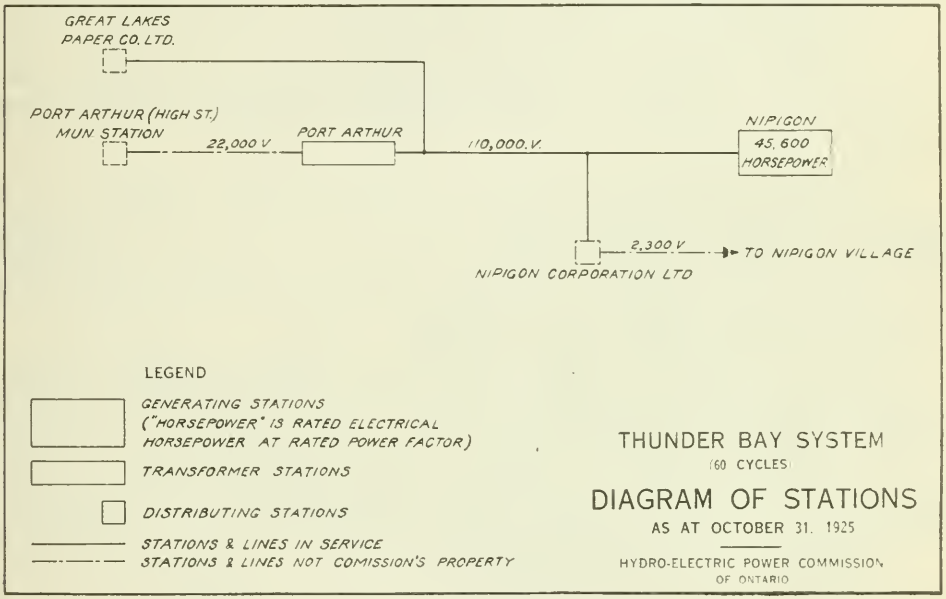
The work of deepening the channel of the side dam at Cross lake, together with strengthening some of the timbers of the main dam, has been delayed owing to high water, but a start has been made and much of the excavating as well as all the timber work will be completed this year.

The Commission's new device for testing pin-type insulators while in service has been used on a small scale with very satisfactory results, which promise favourably for the coming year.

Better means of determining the operating conditions, and consequently of controlling theoutput,of the Carleton Place generating station have been provided in the form of power-factor meters and d-c. voltmeters. Power from this station, however, has not been required. A minor improvement has also been made at High Falls in the installation of ammeters on the station service, which indirectly assist in operating the line to Dalhousie Lake.

RIDEAU SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925

Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease	Increase
Carleton Place	832.4	718.5	748.0	.....	29.5
Kemptville	93.8	142.0	150.1	.....	8.1
Lanark	33.5	35.6	40.2	.....	4.6
Perth	516.0	429.0	612.6	.....	183.6
Smith Falls	975.8	832.4	816.3	16.1	.....



THUNDER BAY SYSTEM

The fifth year of operation of the Cameron Falls generating station with the associated equipment on the Thunder Bay system has been satisfactorily concluded with an ever-increasing load.

The general operating conditions have been practically the same during this year as during the previous one, as no new major equipment has been placed in service. Service has been given to one new customer, viz., the municipality of Nipigon village, through the substation of the Nipigon Corporation, beginning December 18, 1924.

Due to the exceptionally high load factor at which this generating station operates, it has been quite difficult to release machines from service even to permit of the new machines, installed in 1924, being finally placed in proper operating condition, as they had been pressed into service in 1924 without giving the manufacturer suitable opportunity to make final adjustments. No major repairs have been made to the first two machines, and in fact, had any such repair work been necessary it would undoubtedly have been necessary to curtail

the supply of power to the Commission's customers. The increasing load indicates the need for additional generating capacity in the very near future, to carry the system load.

All equipment in the generating station operated very satisfactorily throughout the year. While a short circuit was caused on the main 12,000-volt bus due to construction work, the damage sustained affected a very small amount of unimportant apparatus and a short interruption was the most serious result. All auxiliary equipment was maintained in first-class condition.

Both transmission lines have given excellent service during the past year and no maintenance work of an emergency nature has been necessary on either of them. Several interruptions during storms have occurred to various customers during the past season but this has been chiefly due to the fact that new line-switching equipment at the Bare Point transformer station being unfinished the Commission has not been able to make complete use of these lines by operating them in parallel. A very serious forest fire crossed part of the line near the generating station during the late spring, without causing any damage. This was chiefly due to the care which had been exercised by the patrol staff in clearing the right of way, especially adjacent to the poles. This work was continued during the past year.

Continuous service was maintained from the transformer station at Bare Point, Port Arthur, notwithstanding the fact that the major equipment was transferred from the temporary position to the permanent situation. There has been no failure in any part of the equipment during the past year. Several cases of trouble on the local 22,000-volt system were properly cleared by the correct operation of the low-tension breaker equipment.

As in the previous year, substantial assistance has been given to the Kaministiquia Power Company through the courtesy of the Port Arthur Public Utilities Commission in permitting the use of its 22,000-volt circuits to transmit power. This applies chiefly to April and May though this supply of power was resumed in early October. Emergency power supplied for short periods in November, 1924, and in September, 1925, accounts for the sharp rises shown on the load graph for the Thunder Bay system.

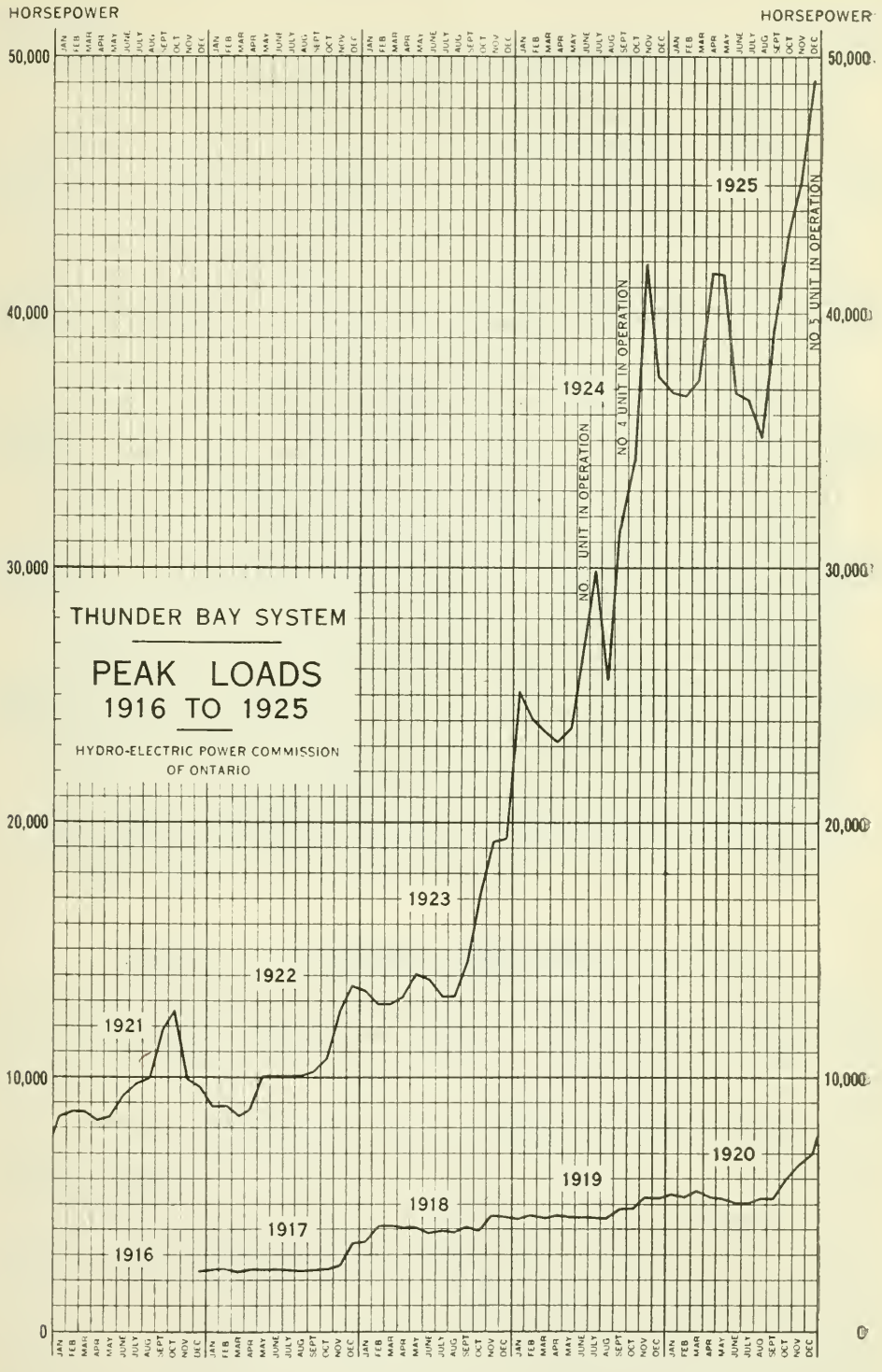
The increase in load on this system as shown in the curve appearing in this report indicates that its rapid rate of growth is being maintained.

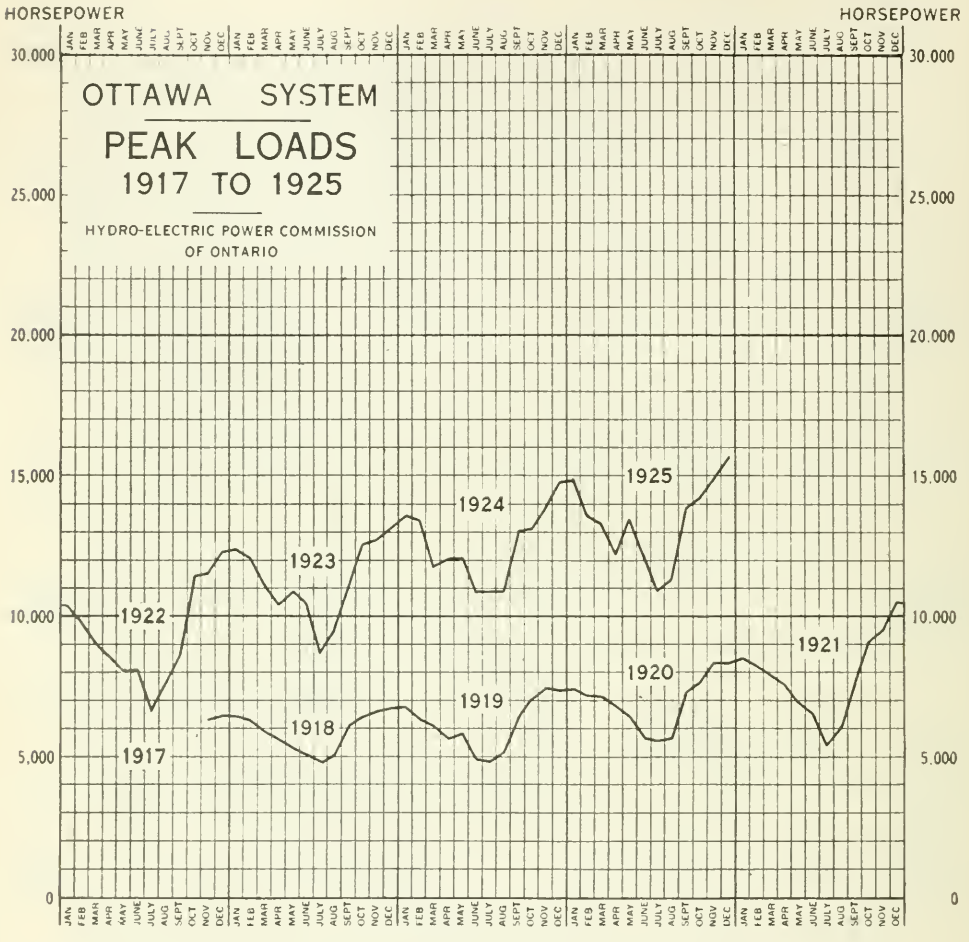
THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925

Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease	Increase
Port Arthur	15,751	21,341	26,407	.....	5,066

THUNDER BAY SYSTEM—NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1925	Decrease	Increase
Nipigon Township	Dec. 16, 1924	35.8	39.9	.....	4.1


HORSEPOWER
HORSEPOWER
50,000
40,000
30,000
20,000
10,000
0
THUNDER BAY SYSTEM
PEAK LOADS
1916 TO 1925
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
NO. 3 UNIT IN OPERATION
NO. 4 UNIT IN OPERATION
NO. 5 UNIT IN OPERATION
JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC



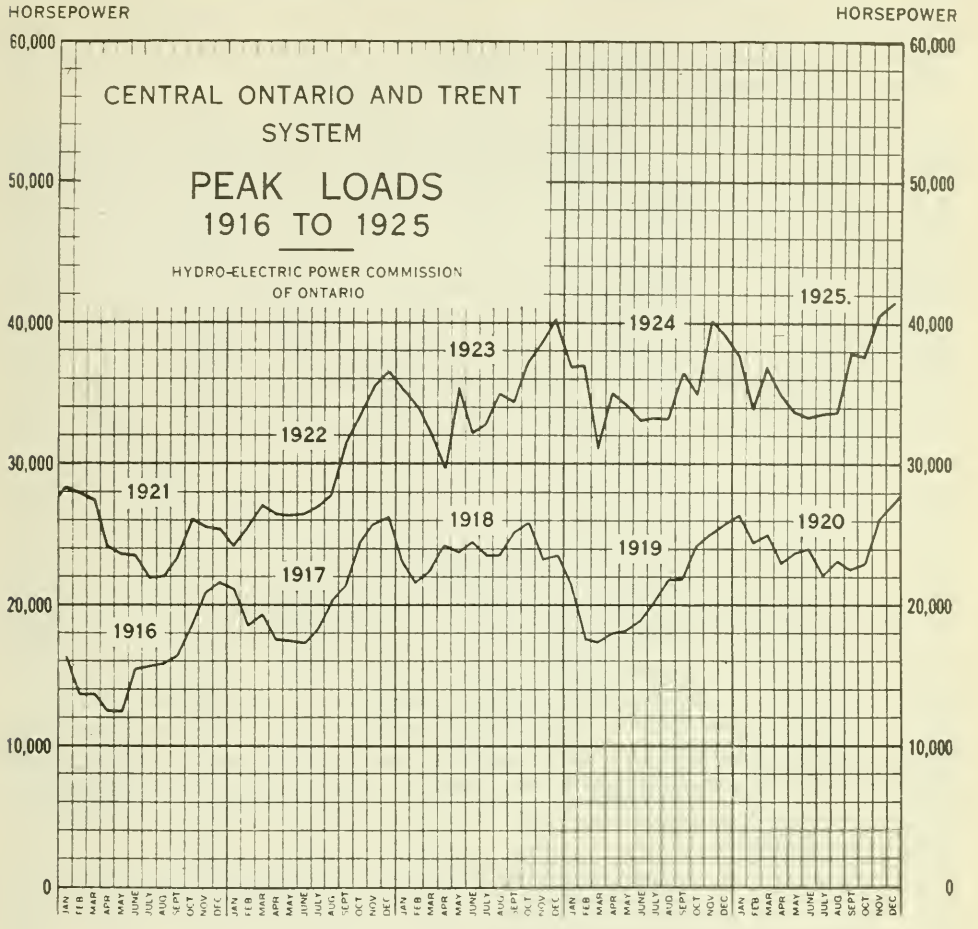
OTTAWA SYSTEM

The Ottawa system operation has been uniformly satisfactory, and without incidents worthy of inclusion in this Report. The load shows approximately the same consistent growth.

OTTAWA SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925

Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease	Increase
Ottawa	12,528	13,206	14,260	.....	1,054

NOTE:—Nepean rural power district included in Ottawa load to the extent of 94 horsepower for October, 1925.



CENTRAL ONTARIO AND TRENT SYSTEM

Among the most important incidents connected with the operation of the Central Ontario and Trent system, which have happened during the past fiscal year, may be mentioned the acquisition of a permanent building for the field office staff at Belleville. The old quarters, although the most suitable which could be rented, were deficient in many respects, including arrangement and lighting, and the new building at Pinnacle street, purchased from the Bank of Montreal, has been renovated and equipped in such a way as to house the existing staff and provide for expansion in a very efficient manner.

Efficiency of staff supervision and the general system co-ordination has been aided by the installation of modern telephone equipment, both for local and system traffic over the private lines, and by the replacement of the old No. 9 single-circuit, iron-wire telephone line, between Belleville and Trenton, by a double-circuit, steel-reinforced aluminum line with provision for a phantom connection. This line has relieved the very heavy traffic west from Belleville, and has proved to be of great assistance to the system load despatchers, as well

as to other members of the staff. Taken altogether, the new building and the additional telephone facilities mentioned may be looked upon as an important matter in the operation of the Central Ontario system.

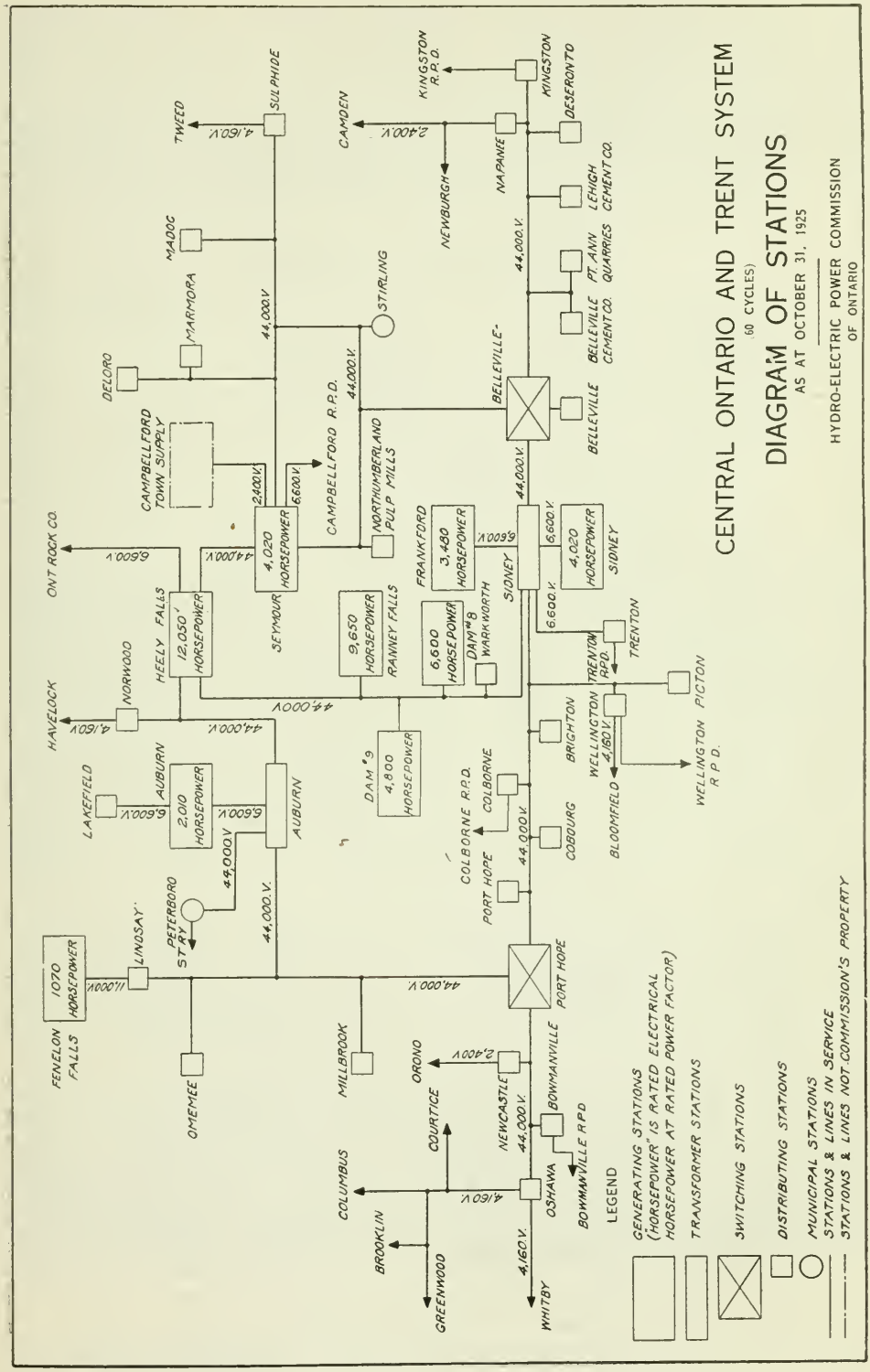
As has been stated in previous reports, the greater portion of the system generating stations, both in number and in capacity, are situated near Campbellford. The new station at Dam No. 9, which went into operation on March 3, is an important addition here. It is an automatic station of the remote, supervisory-control type, and in respect to automatic and supervisory-control equipment, is a duplicate of the plant at Dam No. 8, which went into operation last year, and like this plant is controlled from Ranney Falls. Unfortunately, on account of supervisory-control cable troubles, it has not been safe to operate these stations without someone in continuous attendance, but the careful studies which have been made in order to determine the cause of the cable trouble have brought a great deal of information to light by the aid of which it is hoped that the difficulties will be overcome very shortly. All the operating merits of the automatic stations, as mentioned in last year's report, have been realized in our actual operating experience, but unfortunately the weakness in the supervisory link made it impossible to take full advantage of them at the very times when they would be of greatest benefit, viz., during the severe storms which cause various kinds of line and station trouble, the reason being that the supervisory cable developed trouble of its own and became inoperative at such times.

The construction of the second circuit from Trenton to Dam No. 8, and the line rearrangement at Ranney falls, involving the installation there of an additional GA3 oil-breaker, and an emergency connection to line G, is a matter of prime importance from an operating viewpoint, in that it added greatly to the switching possibilities at this important generating centre, and greatly diminished the likelihood of any of the generating plants at Campbellford being isolated from the system through the temporary failure of transmission lines or switching equipment.

At plant No. 2 the installation of an out-door signal horn has been advantageous, also the operation of the voltage regulators has been improved, and at the Sidney terminal station, which controls the output of this plant, a new directional relay system has been put into operation with good effect. At Frankford, Dam No. 5, more than fifty per cent. of the rock-filled, tail-race crib was rebuilt with new creosoted timber, the portion replaced extending to a point as far below the water line as could conveniently be reached. At Heely falls, differential protection has been placed on generator No. 144, on account of certain insulation weaknesses which this generator has developed, and the steel penstocks and wooden housings have been painted by means of a spray gun, effecting by this method of application a considerable saving in cost. Also, grounds on the exciter system, which have for some years been troublesome, have been located and removed.

Among the substation changes, the installation of a 750-kv-a. transformer at Belleville, and of a rural circuit from Colborne should be noted; also the connection of a new customer, known as the Engineering and Construction Company, to the Lakefield line on September 6.

Work in connection with transmission lines has been very active, insulator replacements, together with pole stubbing and guying of some of the older sections of line, comprising the greater part of the work. The construction of the telephone line from Belleville to Trenton, as mentioned previously, and a rural extension from Colborne to Grafton, together with a new circuit from


CENTRAL ONTARIO AND TRENT SYSTEM
60 CYCLES)
DIAGRAM OF STATIONS
AS AT OCTOBER 31, 1925
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
LEGEND
GENERATING STATIONS
(HORSEPOWER IS RATED ELECTRICAL HORSEPOWER AT RATED POWER FACTOR)
TRANSFORMER STATIONS
SWITCHING STATIONS
DISTRIBUTING STATIONS
MUNICIPAL STATIONS
STATIONS & LINES IN SERVICE
STATIONS & LINES NOT COMMISSION'S PROPERTY
FENELON FALLS
1070 HORSEPOWER
11,000V
LINDSAY
PETERBORO STN
44,000 V.
OMEMEE
MILLBROOK
ORONO
2,400V
COURTICE
NEWCASTLE
44,000 V.
BOWMANVILLE
PORT HOPE
44,000 V
BOWMANVILLE RPD
OSHAWA
4,160 V.
WHITBY
COLUMBUS
BROOKLIN
GREENWOOD
COLBORNE
PORT HOPE
44,000 V
COBOURG
COLBORNE R.P.D.
DAM #9
4,800 HORSEPOWER
BRIGHTON
WELLINGTON
4,160 V.
BLOOMFIELD
WELLINGTON R P D.
PICTON
TRENTON RPD
TRENTON
SIDNEY
6,600 V.
6,600 V.
4,020 HORSEPOWER
SIDNEY
FRANKFORD
3,430 HORSEPOWER
6,600V
DAM #8
WARKWORTH
6,600 HORSEPOWER
RANNEY FALLS
9,650 HORSEPOWER
SEYMOUR
4,020 HORSEPOWER
6,600V
2400V
CAMPBELLFORD TOWN SUPPLY
CAMPBELLFORD R.P.D.
44,000V.
NORTHUMBERLAND PULP MILLS
STIRLING
DELORO
MARMORA
MADOC
TWEED
4,160V.
SULPHIDE
11,000V
44,000V
HEELY FALLS
12,050 HORSEPOWER
6,600V
ONT ROCK CO.
HAVELOCK
4,160V.
NORWOOD
44,000V.
44,000V
AUBURN
6,600V.
LAKEFIELD
AUBURN
2,010 HORSEPOWER
6,600V
49,000V
44,000 V.
AUBURN
BELLEVILLE-
44,000V
BELLEVILLE
BELLEVILLE CEMENT CO.
PT. ANN QUARRIES
LEHIGH CEMENT CO
44,000 V.
NAPANEE
NEWBURGH
2400V
CAMDEN
KINGSTON R.P.D.
KINGSTON
DESERONTO

Norwood to Havelock, all of which were carried out by the Operating department, should also be mentioned. The installation of disconnecting switches at the Belleville switching station by means of which the Belleville tap may be connected to line F, and the straightening of cross-arms on a short section of the Napanee-Kingston line by means of longer braces are instances of work of minor importance, among which may also be included the restringing of the line from Frankford to the Canadian Paperboard Company at the expense of that company to enable it to temporarily increase its load.

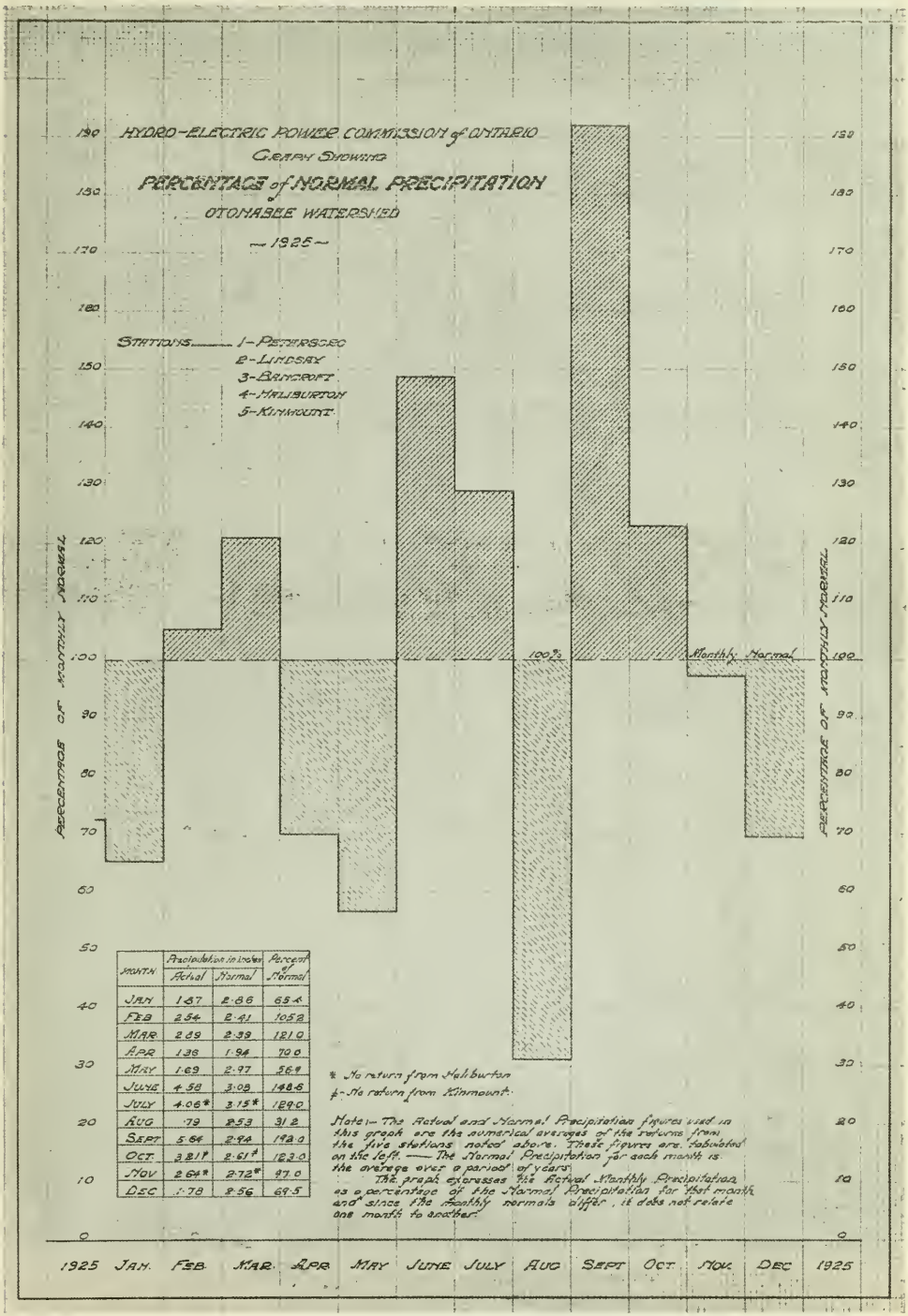
Load and Water Conditions

The load growth on the Central Ontario and Trent system during the past fiscal year has been moderate, but not sufficient to require the full use of the additional capacity made available by the completion of plants at Dam No. 8 and Dam No. 9 near Campbellford. Precipitation (see plate A), though nearly normal for the year, was rather light during the freshet period when it is of no great benefit, and rather generous during the periods of normal storage use when it is especially effective, hence its influence was favourable to a plentiful supply of water for power. On the whole these conditions of supply were good and no really difficult situations had to be met, although it may be well to comment briefly on three short periods of scarcity in supply which did occur.

As a reference to plate B2 shows, each of these cases of scarcity occurred between periods of very generous surplus, and are attributable principally to a Rice Lake condition, which has been mentioned in previous Reports, viz., tardiness in closing the dam at Hastings after a period of marked surplus flow has been checked at Peterborough. Thus the level of Rice lake becomes low before the Hastings flow is correspondingly checked, and later the lake is built up when the available inflow from Peterborough is low rather than high, or perhaps as sometimes happens, a period of heavy evaporation and light precipitation brings about such a heavy loss of water from Rice lake that the available outflow is materially less than the inflow. Under such conditions the mere maintenance of a strictly uniform level on Rice lake will, if the inflow at Peterborough be barely sufficient for the requirements at Heely falls, cause similar trouble.

The three periods of scarcity ended approximately July 22, September 11, and October 16, and require for a thorough understanding detailed knowledge of the Peterborough and Hastings flow. In a general way, however, plate B2 in relating the surplus, indicated by graph (3), to Rice Lake levels, graph (5), gives some idea of the situation. A few words of explanation about the first case will suffice for all three.

On June 24 the Peterborough flow was reduced to approximately normal summer regulated flow by cutting off a large surplus, but as no corresponding change was made at Hastings, the large outflow there continued. For about three days this outflow exceeded the inflow at Peterborough by about 1,000 c.f.s., causing a rapid drop in Rice lake. About this time an adjustment at Hastings was made which reduced the amount by which the outflow exceeded the inflow from 300 to 400 c.f.s., and again this condition lasted for several days with the lake level still going down. Then follows a period of overcorrection, and consequent power scarcity caused by a reduction of the Hastings outflow to an amount which was materially below the Peterborough inflow, which condition, in a general way, continued until July 21, during which time Rice lake was building



MONTH	Precipitation in Inches		Percent of Normal
	Actual	Normal	
JAN	1.67	2.66	65.4
FEB	2.54	2.41	105.2
MAR	2.89	2.39	121.0
APR	1.38	1.94	70.0
MAY	1.69	2.97	56.9
JUNE	4.58	3.08	148.6
JULY	4.06*	3.15*	129.0
AUG	.79	2.53	31.2
SEPT	5.64	2.94	192.0
OCT.	3.21†	2.61†	123.0
NOV	2.64*	2.72*	97.0
DEC	1.78	2.56	69.5

* No return from Haliburton
† No return from Kinmount.

Note:— The Actual and Normal Precipitation figures used in this graph are the numerical averages of the returns from the five stations noted above. These figures are tabulated on the left. — The Normal Precipitation for each month is the average over a period of years.
The graph expresses the Actual Monthly Precipitation as a percentage of the Normal Precipitation for that month and since the monthly normals differ, it does not relate one month to another.

PLATE A—PRECIPITATION DATA

This graph represents the estimated actual monthly precipitation on the Otonabee watershed expressed as a percentage of the normal precipitation.

The estimate is based upon the actual and normal returns of the Meteorological Service for Peterboro, Lindsay, Bancroft, Haliburton and Kinmount. (See inset table.)

Although the numerical values differ from month to month the normal precipitation is taken as 100 per cent, hence the solidly hatched areas represent the amount by which the precipitation exceeded the average while the dotted hatched area represents in a similar manner the deficiencies.

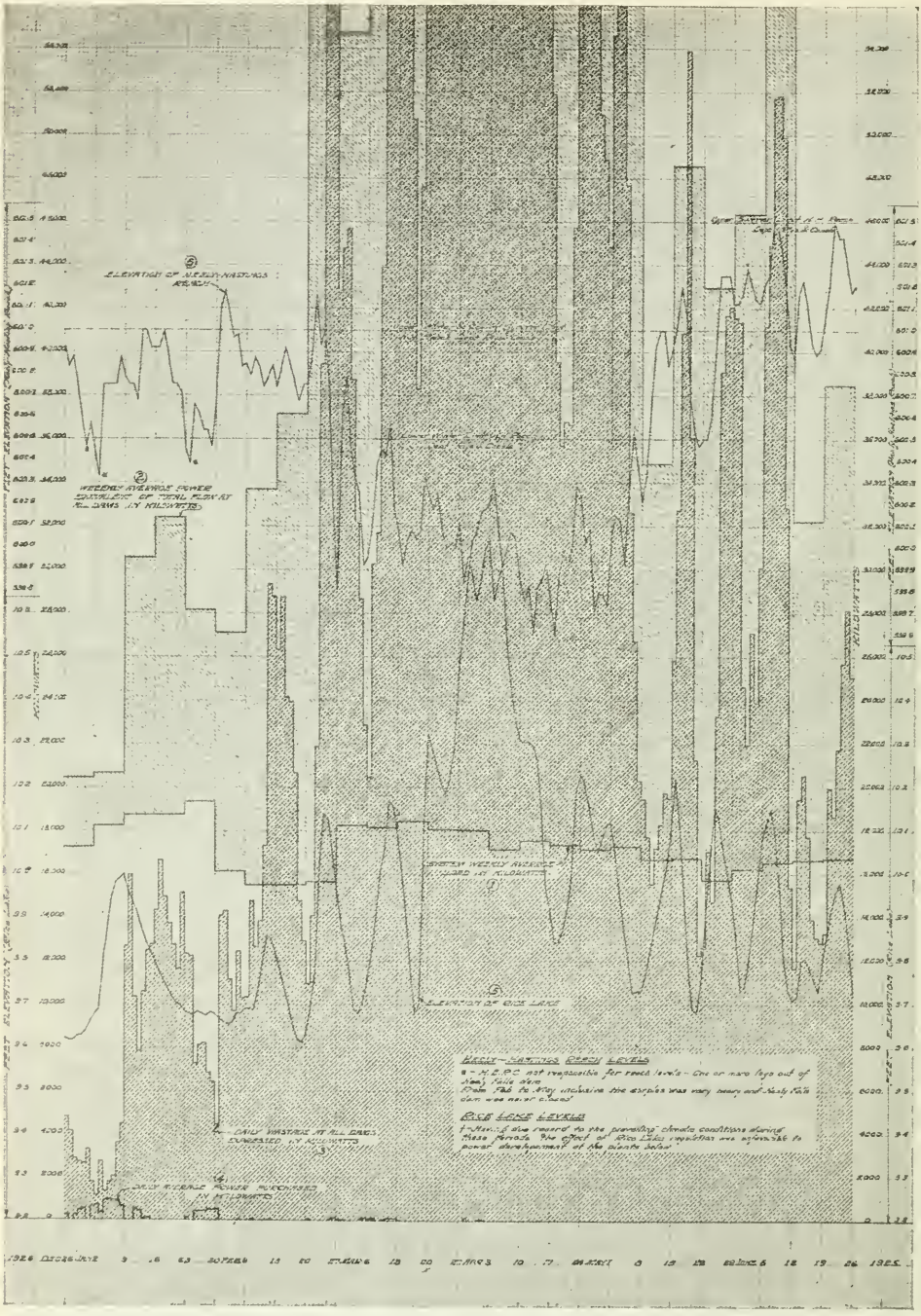


PLATE B1—GENERAL OPERATING DATA

December 25, 1924, to June 26, 1925

GRAPH No. 1—System average weekly load in kilowatts.

GRAPH No. 2—Weekly average power equivalent of total flow at all dams. This equals the weekly average system load plus the power equivalent of the weekly average wastage of water at all plants from which the Commission derives its regular supply. The wastage is shown by the dotted hatched area between graphs 2 and 1.

GRAPH No. 3—Average daily wastage at all plants expressed in kilowatts. In the weekly aggregate the area under this graph equals the wastage, represented by the hatched area between graphs 2 and 1 and shows the daily distribution on this weekly wastage.

(Description continued on opposite page)

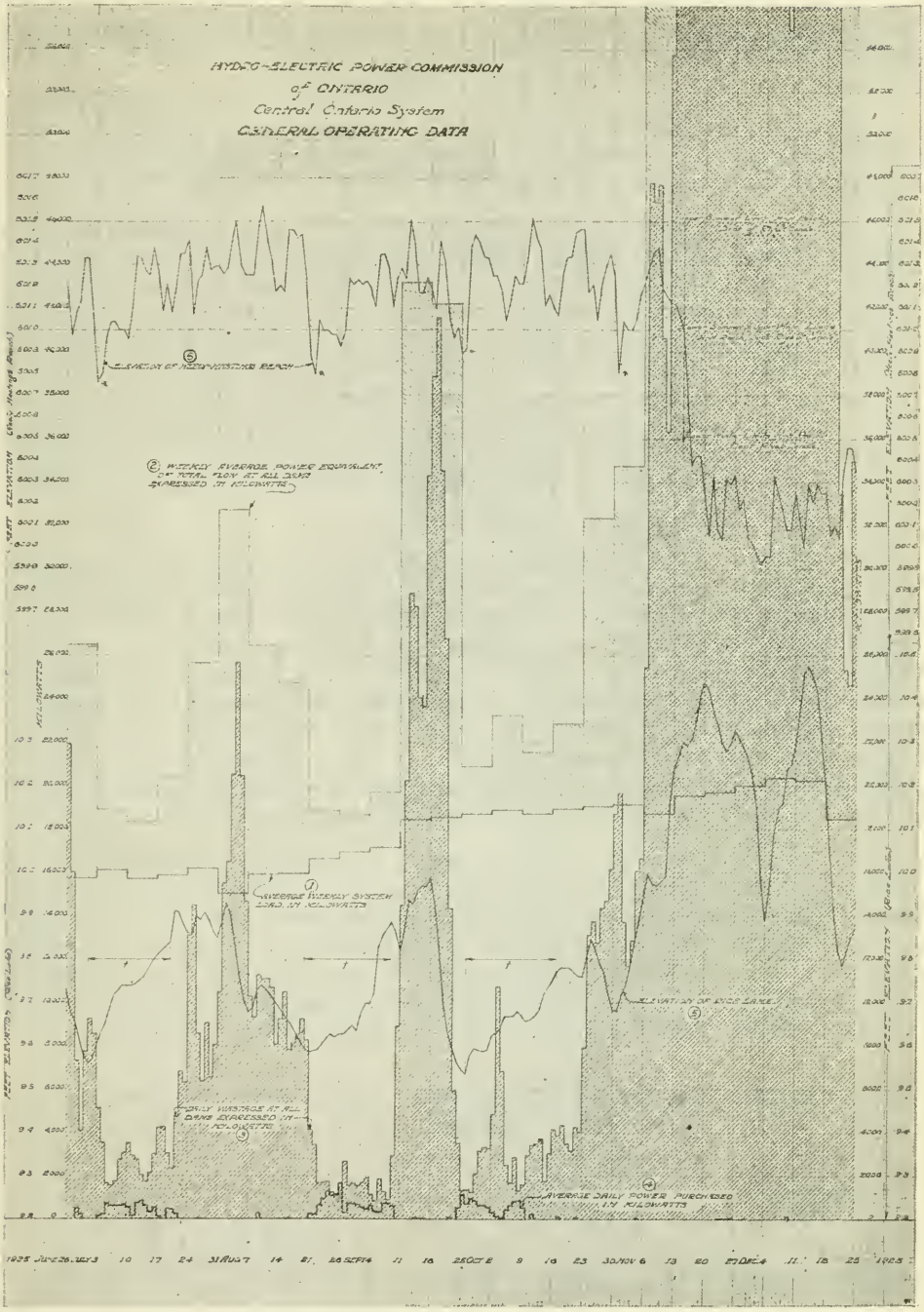

HYDRO-ELECTRIC POWER COMMISSION
of ONTARIO
Central Ontario System
GENERAL OPERATING DATA
ELEVATION OF HEELY-HASTINGS REACH
WEEKLY AVERAGE POWER EQUIVALENT OF TOTAL FLOW AT ALL DAMS EXPRESSED IN KILOWATTS
AVERAGE WEEKLY SYSTEM LOAD IN KILOWATTS
DAILY HYDRAULIC HEAD AT KILOWATTS
ELEVATION OF RICE LAKE
AVERAGE DAILY POWER PURCHASED IN KILOWATTS
1925 June 26 July 3 10 17 24 31 Aug 7 14 21 28 Sept 4 11 18 25 Oct 2 9 16 23 30 Nov 6 13 20 27 Dec 4 11 18 25 1926

PLATE B2—GENERAL OPERATING DATA

June 26, 1925, to December 25, 1925

(Description continued)

GRAPH No. 4—Average daily power purchased in kilowatts.
GRAPH No. 5—Midnight elevation of Rice lake.
GRAPH No. 6—Midnight elevation of Heely-Hastings reach.

up, and at the same time the Hastings flow was so low that only the relatively light system load compared with the total installed capacity of the system made it possible to avert a curtailment of power supply.

The important effect of rainfall should be noted here. The official record for Lindsay and Peterborough shows a total precipitation for July of 81 per cent. of "normal," and prior to July 21, a very much lower percentage.*

As these figures should apply fairly accurately to the lower Kawartha Lake region, it is apparent that prior to July 21 there was little precipitation to offset the effect of the heavy evaporation common to the month of July, and it was under these unfavourable conditions that Rice lake built up from one of the lowest levels recorded for the season (July 2) to a comparatively high level (July 21). Even had there been no rainfall on July 21, an increase in the flow at Hastings could not have been long deferred. Had the rainfall been distributed more evenly throughout the month, no doubt the rise in level of Rice lake would have been more rapid, and the period of scarcity a little shorter. In either case the total amount of the surplus which followed would have been much the same, though its distribution might have been altered.

Similar remarks apply to the other two periods of scarcity, but as no actual power shortage resulted, the only reason for drawing attention to any of them is to emphasize the principle, viz., that if the level of Rice lake is built up during the period of low precipitation and high evaporation loss, the outflow at Hastings suffers a twofold loss, which at low-flow periods is very serious. On the other hand, if the lake level is such that it can be allowed to fall somewhat during such periods, the evaporation losses are proportionately compensated, and the usefulness of the power development on the Trent river correspondingly enhanced. Obviously if a surplus closes with Rice lake low, the possible compensation of evaporation losses is greatly restricted, in fact, the tendency is the very reverse.

Since in previous issues of this Report, mention has been made of the Commission's responsibility in maintaining the minimum navigation level of the Heely-Hastings reach when the Heely Falls dam is closed, it may not be out of place here to state that in the four cases, particularly noticeable on plate B2, graph (6), viz., July, 3 August 22, September 25, and October 31, the Commission is not responsible since in every case one or more logs were out of the Heely Falls dam. Similar remarks apply to the reach levels shown on plate B1.

*The apparent disagreement between the percentage here quoted and that shown for July total on plate A is due to the inclusion as indicated in plate A of returns from additional stations in tributary watersheds.

CENTRAL ONTARIO AND TRENT SYSTEM LOADS OF MUNICIPALITIES, 1923-1924-1925

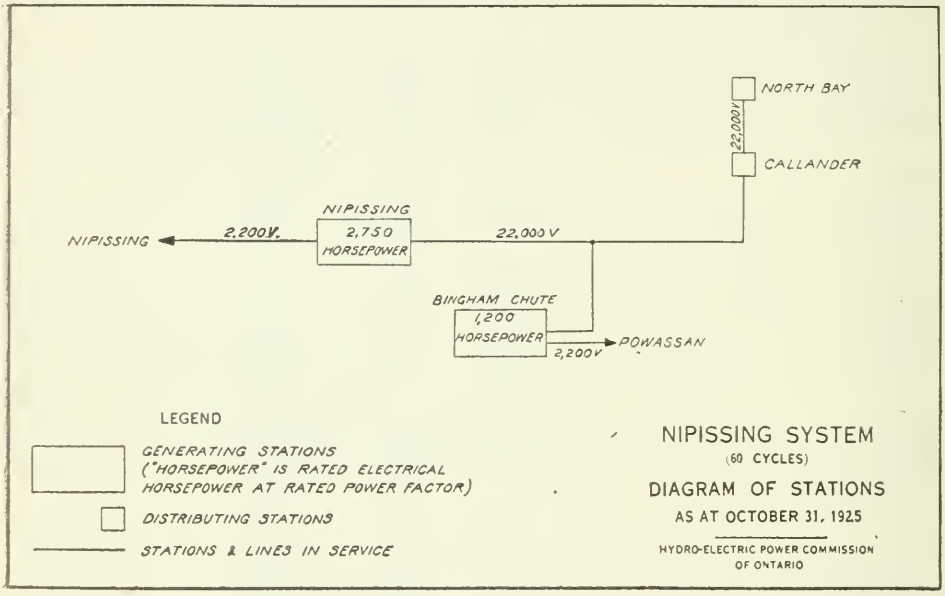
Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease	Increase
Belleville	2,868.0	2,658.1	3,108.4	.....	450.3
Bloomfield	71.8	87.5	119.0	.....	31.5
Bowmanville	1,156.8	1,128.7	1,326.7	.....	198.0
Brighton	175.8	171.6	203.7	.....	32.1
Cobourg	1,160.8	986.6	973.2	13.4	.....
Colborne	109.2	109.6	109.9	.....	0.3
Deseronto	312.3	301.6	210.4	91.2	.....
Havelock	72.3	123.3	196.1	.....	72.8
Kingston	3,178.4	2,937.6	3,194.4	.....	256.8
Lakefield	138.0	88.0	84.4	3.6	.....
Lindsay	1,282.8	1,187.6	1,374.0	.....	186.4
Madoc	184.4	178.8	110.0	68.8	.....
Marmora	50.6	57.9	65.1	.....	7.2
Milbrook	36.4	55.7	53.6	2.1	.....
Napanee	604.5	679.6	780.0	.....	100.4
Newburg	490.6	209.1	595.1	.....	386.0
Newcastle	61.8	66.9	78.0	.....	11.1
Norwood	86.8	69.4	104.0	.....	34.6
Omemee	119.5	123.4	123.4	.....	.....
Orono	41.2	44.6	52.0	.....	7.4
Oshawa	4,933.6	4,939.8	5,397.1	.....	457.3
Peterboro	5,839.3	4,837.8	4,525.4	312.4	.....
Picton	382.0	410.2	509.4	.....	99.2
Port Hope	782.8	833.8	741.3	92.5	.....
Stirling	157.7	168.9	205.7	.....	36.8
Trenton	865.9	914.2	1,104.5	.....	190.3
Tweed	148.7	136.7	136.7	.....	.....
Warkworth	.....	40.8	39.5	1.3	.....
Wellington	73.7	96.5	101.2	.....	4.7
Whitby	666.2	682.3	681.0	1.3	.....

CENTRAL ONTARIO AND TRENT SYSTEM—RURAL POWER DISTRICT LOADS 1924-1925

Rural power district	Peak load in horsepower		Change in load 1924-1925	
	Oct., 1924	Oct., 1925	Decrease	Increase
Campbellford	54.0	53.6	0.4	.....
Kingston	67.8	63.0	4.8	.....
Oshawa	107.2	76.1	31.1	.....

CENTRAL ONTARIO AND TRENT SYSTEM—NEW RURAL POWER DISTRICTS

Rural power district	Date connected	Load in horsepower		Change in load	
		Initial	Oct., 1925	Decrease	Increase
Bowmanville	Nov. 1, 1924	3.0	3.0	.....	.....
Colborne	July 10, 1925	23.6	22.1	1.5	.....
Trenton	Nov. 1, 1924	1.5	1.5	.....	.....



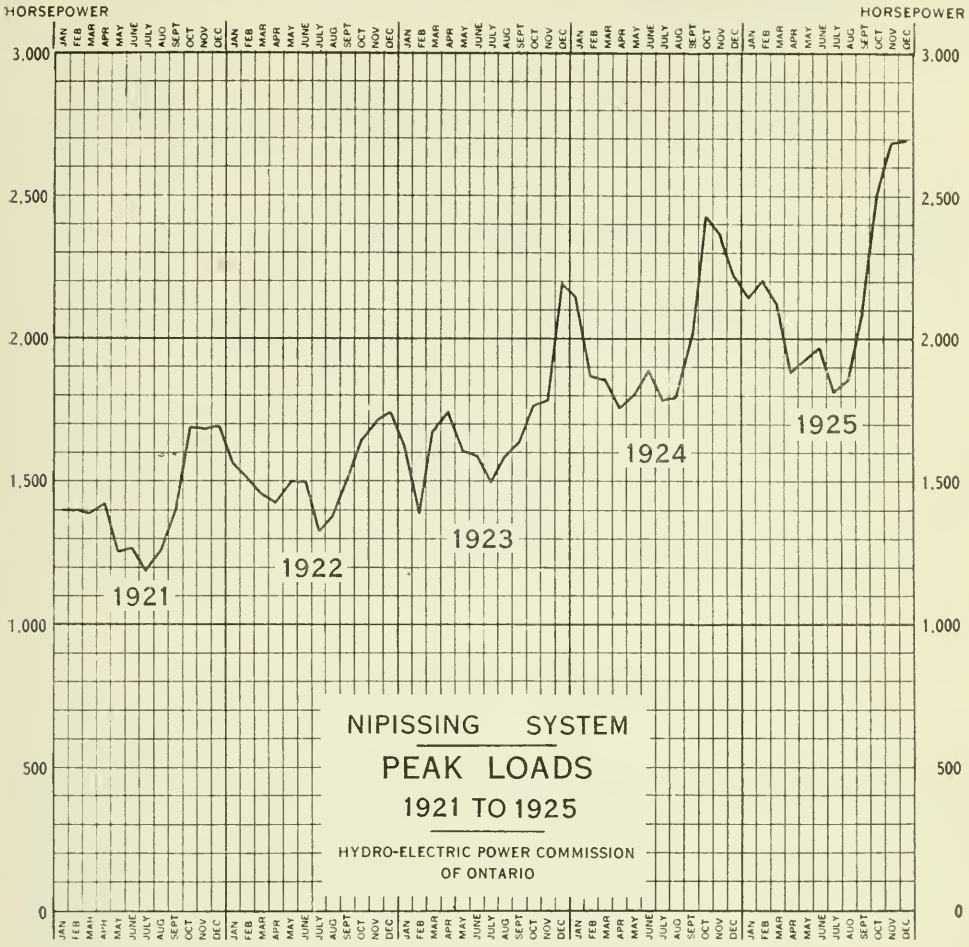
NIPISSING SYSTEM

The demand for power on the Nipissing system, both on peak and average basis, has shown a slight increase over the previous year.

Extensive line maintenance work was required on the 22,000-volt line on the pins and cross-arms, and defective poles were stubbed or replaced. On the sections of line between Junction Z52 and North Bay, where it was found necessary to replace the cross-arms and pins due to defects, the pole-top construction was altered to permit of ultimate two-circuit construction. Maintenance work on pins and cross-arms between Junction Z52 and each of the two power houses was carried out, using the same type of pole-top construction.

A co-ordinated transposition scheme and adjustments on the high-tension lines, to co-operate with the Bell Telephone Company in eliminating inductive interference, were carried out during the year.

A new pipe line at the Nipissing power house, which had been constructed during the past fiscal year, was put into service in November to replace the old



wood-stave pipe line which had served its useful life. This pipe line was larger than the old pipe line and gave increased capacity at the Nipissing plant. Certain maintenance details have been carried out on the headworks and stop-logs during the year.

The tail-water openings at the Nipissing power house were enclosed with wooden apron and floating doors to facilitate operation and maintenance during cold-weather periods.

A large amount of work was done on the water-storage system, the storage dams being repaired, the narrow channels at points below the storage lakes being cleaned out, and the standing and fallen timber in the reach above Bingham chute being cleared off.

A new three-phase, 750-kv-a. transformer was installed at the North Bay substation, and alterations were made to the high-tension and low-tension equipment and switchboard equipment to meet the increased demands for power on the North Bay distribution system.

NIPISSING SYSTEM—LOADS OF MUNICIPALITIES, 1923-1924-1925

Municipality	Peak load in horsepower			Change in load 1924-1925	
	Oct., 1923	Oct., 1924	Oct., 1925	Decrease	Increase
Callander	90.0	60.0	88.0	.....	28.0
Nipissing	3.0	3.0	3.0	.....	.....
North Bay	1,479.0	2,119.0	2,188.0	.....	69.0
Powassan	106.0	103.0	97.0	6.0	.....

SECTION III

MUNICIPAL WORK

The Commission acts in an advisory capacity in connection with the operation of the Hydro utilities of the various municipalities with which it has contracts. In this connection the Commission arranges for the purchase or construction of distribution systems and assists the municipal officials in making their financial arrangements to pay for the cost of these systems. The Commission also recommends all necessary rate adjustments, as provided under the Power Commission Act, and generally supervises the management and operation of all systems, more especially in the smaller municipalities, which, individually, are not of sufficient size to employ a manager with the technical knowledge necessary to handle properly all phases of the system's operation.

NIAGARA SYSTEM

Contracts were signed during the year with two additional urban municipalities and thirty-one additional townships. The total load supplied in the Niagara system to all municipalities and power customers of the Commission showed an increase for the year of approximately 18 per cent. Two additional generating units were installed in the Queenston plant during the fiscal year, Unit No. 7 in December, 1924, and Unit No. 8 in August, 1925. It is expected that Unit No. 9 will be installed in December, 1925.

Additional step-up transformer capacity at the Queenston plant has been added to handle properly the increased generating capacity, and additional lines have been added, or are being planned, to distribute the load through the Niagara system.

A new 110,000-volt line has been constructed from St. Thomas to Sarnia, with the necessary 110,000-volt, step-down transformer station at Sarnia to take care of the ever-increasing loads in that district. This line and station will be put into operation early in the coming year. The present line supplying Sarnia and district is a double-circuit, wood-pole line, over sixty miles in length, and has been in operation for about ten years. It has given excellent service, but the loads are growing with such rapidity that the additional distribution capacity is absolutely necessary.

The construction of additional lines from Essex high-tension station to Windsor was commenced during the latter part of the year. The load taken by Windsor has increased to such an extent that the present lines are badly overloaded.

Throughout Ontario there has been for a number of years a steady increase in the demand for electrical energy for domestic purposes, and during the present year this rate of growth has been maintained.

There was a marked increase during the year in the demand for power for industrial purposes in the various municipalities, and also in connection with large power loads supplied direct by the Commission.

A large amount of interruptible or off-peak power was sold during the year by the Commission to large private customers in Niagara Falls, resulting in a very considerable amount of revenue for the system. The Commission is having success in arranging for further sale of interruptible power to large consumers in the Niagara district who are asking for power in addition to their present requirements.

In order that the greatest use may be made of the Niagara river water available, the total load is adjusted among the three generating stations to give the most economical operation, and at times of maximum demand the Queenston plant is operated to the full capacity of the units now in operation. This is now possible as the intake works of the canal are practically completed.

General engineering assistance was given to the following municipalities in connection with the necessary extensions and improvements to their distribution systems and stations: Acton, Ailsa Craig, Alvinston, Ancaster Township, Aylmer, Baden, Barton Township, Blenheim, Blyth, Brampton, Brantford, Brigden, Brussels, Caledonia, Chippawa, Clifford, Clinton, Comber, Dashwood, Delaware, Dorchester, Drayton, Dublin, Dundas, Dunnville, Dutton, Elmira, Elora, Embro, Erieau, Erie Beach, Essex, Exeter, Fergus, Forest, Georgetown, Glencoe, Granton, Hagersville, Hamilton, Harriston, Harrow, Hensall, Hespeler, Highgate, Ingersoll, Jarvis, Kingsville, Lambeth, Leamington, Listowel, Lucan, Markham, Merritton, Milton, Milverton, Mimico, Mitchell, Moorefield, Mount Brydges, New Hamburg, Niagara Falls, Niagara-on-the-Lake, Norwich, Oil Springs, Palmerston, Paris, Parkhill, Petrolia, Plattsville, Point Edward, Port Colborne, Port Dalhousie, Port Dover, Preston, Princeton, Ridgetown, Rockwood, Rodney, St. Jacobs, St. Marys, Sandwich, Sarnia, Scarboro Township, Seaforth, Simcoe, Stouffville, Strathroy, Sutton, Tavistock, Thamesford, Thorndale, Thorold, Toronto Township, Trafalgar Township, Walkerville, Waterdown, Waterloo, Watford, Welland, Wellesley, West Lorne, Weston, Wheatley, Windsor, Woodbridge, North York Township, and Zurich.

Certain municipalities, in addition to receiving general engineering assistance in connection with the operation of the local Hydro systems, received also special engineering advice and assistance with respect to a number of matters, which are more fully referred to as follows:

Amherstburg—By-laws were passed by large majorities and arrangements have been made to sell the distribution system of the Commission to the town. The sale will be as at October 31, 1925, and the Commission will operate the system for the town until the town arranges to operate it on its own behalf.

Approval was given for the construction of the private telephone line to connect Amherstburg with the telephone system of the Commission. This will greatly facilitate the operation of the station and the system.

Arkona—After investigation by engineers of the Commission, estimates were furnished for supplying Hydro power to the village. These were considered by the Council and it is expected that by-laws will be submitted to the electors at the coming municipal elections.

Beachville—Estimates were prepared on changing the local distribution to a 4,000-volt, 3-phase, 4-wire, grounded neutral system, increasing the size of the conductors, adding service transformers where desirable and remodelling the primary metering equipment to two large power customers. The construction work in the police village was taken care of by the Commission.

Belle River—Power was supplied to the Canadian National Railways for the operation of two electrically driven centrifugal pumps, of ten-horsepower capacity. These replace the pumps formerly operated by steam.

Bolton—To improve voltage regulation in the municipality and relieve overloading of the Woodbridge distribution station arrangements were made for the erection of a step-down station at a point near Kleinburg which, when completed, will furnish power to the surrounding rural population and to the village of Bolton.

Brantford—The office building and the underground duct system formerly owned by the Brantford Machine Telephone Company, Limited, were purchased with the object of utilizing the building as the main executive office of the local Commission and, at a later date, installing cables in the duct system to distribute power underground to the main business section of the city.

Burgessville—Estimates were prepared on the cost to change the local distribution from a 2,300-volt delta to a 4,000-volt, 3-phase, 4-wire, grounded neutral system, and to make several extensions to take care of the increased use of electrical appliances.

Campbellville—During the fall of 1924 a distribution system was built in this municipality. Service was first given on December 9, 1924.

Chippawa—An important load was added during the year, consisting of the new village waterworks. The requirements are approximately 150 horsepower.

Comber—Negotiations were completed and power supplied to the brick and tile plant situated in the township of Tilbury North.

Erie Beach—By-laws were passed by substantial majorities and engineers of the Commission supervised the construction of the distribution system for the municipality. Operation was commenced on June 25, 1925.

Etobicoke Township—To provide for the increasing demand for power in the Long Branch district it became advisable to erect an additional substation to furnish power to that district. This station went into operation on September 23, 1925.

To connect the new station and accommodate additional loads in other districts, primary circuits were rearranged and extended.

Galt—The change in the distribution system from 2,200 to 4,000 volts has been practically completed. A new motor-driven centrifugal pump has been installed in the waterworks. Other changes have been made to meet the requirements of the additional load.

Goderich—The additional load has required some changes in the distribution system, and an entirely new layout has been forwarded to the municipality in order that all changes may be made in accordance with a pre-determined plan. The present load on the Goderich substation is in excess of 1,000 horsepower.

Harrow—The Police Trustee Board has authorized the Commission to proceed with the changing of the Harrow system from 2,200 to 4,000 volts. This work will be done according to the estimates furnished by engineers of the Commission.

Humberstone—The construction of the new Welland ship canal has made it necessary to remove a number of lines on the east side of the present canal. Arrangements are also being made to change the system from 2,200-volt delta to 2,200-volt star to improve the regulation.

Kingsville—Installation of a 30-horsepower motor driving a centrifuga pump in the waterworks plant has been completed. This replaces the steam pump formerly in use for domestic water supply to Kingsville.

An ornamental street-lighting system was installed in the main streets of the town, consisting of 138 ornamental standards with high-candlepower units.

Kitchener—Plans have been prepared and work started on the alteration of substation No. 1. The equipment in this station is being arranged to take care of a load of, approximately, 10,000 horsepower.

La Salle—By-laws were passed by large majorities and the town has agreed to purchase the existing distribution system from the Commission and commence operation on its own behalf, as from November 1, 1925.

Leamington—Installation of two 75-horsepower motors operating centrifugal water pumps was completed. One unit is a duplicate of the other and only one will be operated at a time.

These pumps will not replace the present electric pumps, but are being installed to meet the need of one large factory in the town and provide reserve in case of fire. These pumps obtain their water from an intake on the shore of lake Erie and the former pumps take their water from deep wells in the town.

An ornamental street-lighting system was installed in the main parts of the town, consisting of eighty-seven ornamental standards with high-candlepower units.

Approval has been given to extend the private telephone line of the Commission from Leamington Junction to Leamington. Installation of this telephone will greatly improve the operation of the station and the system.

London Township, Voted Area—Engineering assistance was given in connection with the changing over of the distribution system to a 4,000-volt, 3-phase, 4-wire, grounded neutral system, adding lighting service transformers, making primary extensions and adding additional secondary copper capacity in the 110-220-volt bus. Assistance was also given in the operation and the maintenance of the system.

Niagara Falls—Expansion of the underground street lighting, domestic, and power services necessitated the issuing of $65,000 of debentures, and approval was given to proceed with the work.

Otterville—The changing of the local distribution system to a 4,000-volt, 3-phase, 4-wire, grounded neutral system was taken up with the Trustee Board and estimates were prepared, showing the costs involved, including extra capacity in lines and transformers to improve the service.

Port Colborne—The construction of the new Welland ship canal has made it necessary to make many important changes in the distribution system owing to the canal being re-routed through that section lying east of the present canal. Plans are also being made to change the system from 2,200-volt delta to 2,200-volt star to improve the regulation.

Queenston—Previous to this year the village received service from a single-phase 2,200-volt line, but owing to rapid increase in loads it was considered necessary to change the supply to 3-phase, 4,000 volts from the St. David's distributing station.

Richmond Hill—As the original agreement between the municipality and the Toronto and York Radial Railway covering a supply of power to the local system was about to expire, the municipality passed the Hydro enabling by-law covering a supply from the Commission.

St. Thomas—At the request of the St. Thomas Commission the local conditions were investigated. Estimates were prepared and a report was submitted respecting the desirability of increasing the copper-conductor capacity of the 2,300-volt lighting primaries, instead of erecting a third substation.

To take care of the Pere Marquette Railway load at the Talbot station, an estimate was prepared and a recommendation made to the local system.

A general investigation was made of the merchandise situation, and the local Commission was advised regarding this.

Sandwich—Approval was given and by-law passed for the issuing of $33,000 additional debentures to pay for extensions necessary to the system to supply new consumers who were applying for service.

Simcoe—Additions were made to the substation and distribution system on account of increased load during the year. Additional debentures of $10,000 were issued to cover the cost of these extensions.

Springfield—Engineering assistance was given in connection with the changing of the distribution system to a 4,000-volt, 3-phase, 4-wire, grounded neutral system, and the increasing of the copper capacity in the primaries and secondaries. Extra lighting transformers were installed and extensions were made to serve two new power consumers with approximately fifty-five horsepower.

Stratford—Steady increase in the load has necessitated changes and additions to the distribution system, as well as to the step-down transformer station. The change to 4,000 volts has been completed, and a separate feeder has been brought out of the station to accommodate Stratford Rural Power District.

Tillsonburg—At the request of the local commission, estimates were prepared on the capital cost of replacing 150-c.p. bracket street-lighting units with 50-600-c.p. series 6.6-ampere Holophane refractor units, including the use of a pole-type automatic street-lighting constant-current regulator with 3,500-volt, 2-pole, automatic time switch, and on the rate per annum for the increased size of lighting units.

Welland—The distribution system was converted from 2,200-volt delta to 2,200-volt star for the purpose of effecting economies in distribution. The change was made necessary by the amalgamation of the former Welland Electric Company plant with the present system and the taking on of several large power loads.

Windsor—Approval of the Commission was given for the passing of Local Improvement By-law in the amount of $25,000 for extensions to the ornamental street-lighting system.

East York Township—Negotiations were completed covering the transfer from York Township to East York of the distribution system situated in the latter municipality and arrangements were made for the supply of power from the Commission through the Toronto Hydro-Electric System. Readjustments and extensions of the main feeder circuits were completed and the system was turned over to East York Township on July 1, 1925.

NIAGARA SYSTEM—RURAL*

During 1925 work in rural power districts has been carried on actively in extending the existing lines and in the formation of new districts to supply the ever-increasing demand for power in rural communities.

As a cumulative result of these activities in past years, sixty-four rural power districts are now being served by the Commission on the Niagara system. These rural power districts comprise 105 townships, serve 12,491 consumers, and require approximately 1,105 miles of primary lines. The establishment of these rural power districts has necessitated the creation of an organization for their management and sixteen offices have already been established in various parts of the Niagara system. Where the districts are of sufficient size, the billing of customers is taken care of in local offices, and where the districts are as yet small, the billing is taken care of by an organization in the Toronto office.

Extensions totalling 199 miles of primary lines, in addition to improvements to those lines already constructed, were made in the following rural power districts: Amherstburg, Baden, Beamsville, Belle River, Blenheim, Bond Lake, Caledonia, Chatham, Delaware, Dorchester, Dundas, Exeter, Grantham, Guelph, Haldimand, Keswick, Kingsville, Lansing, London, Markham, Milton, Niagara, Norwich, Preston, Ridgetown, St. Thomas, Saltfleet, Sandwich, Sarnia, Scarboro, Stratford, Tilbury, Waterdown, Welland, Woodbridge, and Woodstock.

Existing rural systems previously served directly by townships and urban municipalities were taken over and new rates applied in order to give consumers the benefit of the bonus provided by the Province of Ontario in the following rural power districts: Dundas, Goderich, Grantham, Norwich, Tillsonburg, and Woodbridge.

Street-lighting systems were installed in centres situated in rural power districts as follows: Jordan Station in Beamsville, Crediton in Exeter, Highland and Manor Park in London, Rondeau Park in Ridgetown, and various points in Welland.

*See also statement relating to rural work at the end of this section, pages 63 to 66.

In order to take care of the increased de nand for power it was found necessary to increase the transformer capacity of existing stations, special installations being necessary in the Elora and St. Jacobs distributing stations. Separate substations were built in rural power districts as follows: Mitchell Junction for Mitchell, Sharon for Newmarket, Walkerville Junction for Sandwich, and Tillsonburg for Tillsonburg.

Arrangements were completed for starting work on new extensions, some before winter and others as early in the coming spring as weather conditions will permit, in the following rural power districts: Bothwell, Brigden, Dorchester, Dutton, Elora, Essex, Exeter, Galt, Guelph, Harrow, Kingsville, Milton, Mitchell, Newmarket, Oil Springs, Petrolia, Sarnia, Simcoe, Tilbury, and Woodbridge.

GEORGIAN BAY SYSTEM

combining

SEVERN, EUGENIA, WASDELLS AND MUSKOKA DIVISIONS

This system was operated for the first time during the year as a completed unit, the Muskoka system, its Hydro-Electric development and transmission lines being included as from November 1, 1924. The other component parts, viz.: Big Chute, Eugenia and Wasdells developments and transmission lines had been a nalgamated and operated under the name of "Georgian Bay" system a year earlier, namely, from November 1, 1923, as described in the last Annual Report. This system unites into one operating unit all of the generating and transmission equipment serving the lighting and power utilities of fifty-two municipalities and seventeen rural power districts comprising an area of approximately 10,000 square miles adjacent to Georgian bay, and extending from Huntsville on the north and Port Perry on the south to Kincardine on the west. In the rural districts service is given to twenty townships, eight hamlets and three police villages. In addition to the above-mentioned developments the Georgian Bay system is interconnected with the Orillia development which is located at Swift rapids on the Severn river and with the Niagara system through a frequency-changer set located at Mount Forest, from both of which considerable power was purchased during the year.

The installation of two new 2,200-horsepower generating units was completed at the Muskoka development during the year and all work at plant No. 1 was finished, bringing the total installed capacity at this plant to 5,400 horsepower. Construction work is still progressing at plant No. 2, Muskoka development, otherwise known as Hanna Chute, and it is expected that this installation, which consists of one remote-control generating unit of 1,550 horsepower capacity, will be completed and placed in operation about the middle of the next year.

Transformer changes were made at Beeton on the Severn division, a 150-kv-a., 3-phase transformer replacing a 75-kv-a. transformer, and at Owen Sound on the Eugenia division, at which place three new 500-kv-a. units were installed, making the total substation capacity 3,150 kv-a. Increase in demand for power in these two municipalities necessitated these changes.

The annual meeting of the "Association of the Eugenia System Municipalities" was held this year at Wingham on June 10, delegates from most of the Eugenia division towns and villages being present. Complete information concerning all matters relating to finance and operation affecting Hydro service in the district was submitted to the meeting by the Commission's engineers and resolutions were unanimously adopted favouring efforts to secure the co-operation of all of the other municipalities in the entire Georgian Bay system so that the Association might cover the entire area of the four component parts of this system rather than being confined to one portion as at present.

The transmission lines of the Wasdells division between the power house and Cannington were completely overhauled and renewed, replacements of poles, insulators and pins being made wherever necessary. The transmission line of the Severn division between Waubaushene and Midland was also completely overhauled during the year and a complete study was made concerning the construction of a duplicate line for this particular section, which at the present time contains the largest power customers and receives the greatest amount of power transmitted on the entire system.

General engineering assistance, advice and supervision were rendered to all of the various municipalities on the system during the year, engineers of the Commission having made periodical trips to each town and village for this purpose. This assistance in particular covered matters pertaining to service to customers, extensions to distribution systems, purchasing of material and equipment, and the application of rates. The municipalities receiving this consideration were as follows:

Severn Division—Alliston, Barrie, Beeton, Bradford, Coldwater, Collingwood, Cookstown, Creemore, Elmvale, Midland, Penetang, Port McNicoll, Stayner, Thornton, Tottenham, Victoria Harbor, and Waubaushene.

Eugenia Division—Arthur, Chatsworth, Chesley, Dundalk, Durham, Elmwood, Flesherton, Grand Valley, Hanover, Holstein, Kincardine, Lucknow, Markdale, Meaford, Mount Forest, Neustadt, Orangeville, Owen Sound, Paisley, Priceville, Ripley, Shelburne, Tara, Teeswater, and Wingham.

Wasdells Division—Beaverton, Brechin, Cannington, Kirkfield, Port Perry, Sunderland, Uxbridge, and Woodville.

Muskoka Division—Gravenhurst and Huntsville.

Engineering advice of a special nature was given to several municipalities as follows:

SEVERN DIVISION

Barrie—The installation of the underground distribution system on the main street of the town was completed and placed in operation during the year, and all poles and overhead wires of the local Hydro system were removed from the street, secondary service to buildings being taken care of by means of a three-wire bus carried on the front of the buildings. Improved street lighting was provided for by ornamental iron standards erected on both sides of the main street throughout its entire length in the business section. This special street lighting consists of 300-watt units equipped with Holophane reflectors with provision for changing to 500-watt units if desired.

Camp Borden—A new contract was prepared and negotiated with the Department of Militia and Defence, covering service to the aviation training camp at this place. Power is supplied for pumping purposes, for general lighting and domestic use at the living quarters and for the operation of the machine shop, etc.

Midland—A new ornamental street lighting system was installed on the main street of the town, cast-iron standards and 500-watt lighting units being used for this purpose fed from an underground line. All overhead primary wires and the poles carrying them were removed from the business section of the main street, the secondaries being carried as a bus on the fronts of the buildings as in Barrie.

EUGENIA DIVISION

Owen Sound—Changes were made in the distribution system in this municipality to provide for service to a new terminal grain elevator requiring 500 horsepower. An additional bank of transformers totalling 1,500-kv-a capacity was installed in the substation to take care of this load in particular, as well as the general increase in the power demands of the local Hydro system.

WASDELLS DIVISION

Sunderland—The lines of the local distribution system were separated from the rural districts east and west of Sunderland by dividing the primary feeder at the village limits and extending the rural portion on the poles of the local system. A totalizing demand meter for the village load was also installed at the village limits, thus moving the point of measurement, heretofore at the Cannington substation, to a point more suitable for local operation.

MUSKOKA DIVISION

Gravenhurst—Due to the steady increase in the demand for power in this municipality the original 6,600-volt line from the Muskoka development to Gravenhurst was abandoned and the town distribution system served from a separate substation fed from the high-tension transmission tie line between the South Falls power house and Waubaushene. The new substation was placed in operation for the first time on March 26.

GEORGIAN BAY SYSTEM—RURAL

Numerous requests were received from various rural communities for Hydro-Electric service, and public meetings were held at different places at which engineers of the Commission submitted information concerning rates and other necessary requirements preliminary to the actual construction of lines. Assistance of this nature was rendered to the following townships:

Adjala, Brant, Derby, Essa, Georgina, Howick, Innisfil, Medonte, Melancthon, Monck, Mono, Morrison, Mulmur, Orillia North, Rama, Reach, St. Vincent, Stephenson, Watt, Tay and Tossorontio.

As accumulative result of these activities in past years sixteen rural power districts are now being served by the Commission on the Georgian Bay system. These rural power districts comprise seventeen townships and serve 580 consumers.

Extensions totalling approximately three miles of primary lines, in addition to improvements to those lines already constructed, were made in the rural power districts of Sparrow Lake and Stayner.

In order to take care of the increased demand for power it was found necessary to increase the capacity of existing lines, special installations being necessary on the line from Stayner to Wasaga Beach.

Arrangements were completed for starting work on new extensions, some before winter and others as early in the coming spring as weather conditions will permit, in the following rural power districts: Barrie, Georgina, Shelburne, Sparrow Lake, and Stayner.

ST. LAWRENCE SYSTEM

No additional municipalities were connected to the system during the year. Negotiations were taken up during the year with the municipality of Russell and the municipalities in the district surrounding Russell, with a view to extending the St. Lawrence system to serve them. This system has shown an appreciable growth of load in the municipalities that are being served under contract with the Commission. The companies taking power from the Commission are also making extensions preparatory to taking additional power. Negotiations took place between the Commission and the company which supplies the power to this system, with a view to having the arrangements under which power has been supplied to the system, placed on a more satisfactory basis to both parties. Engineering assistance was rendered the following municipalities:

Alexandria—Additional capacity in power transformers was necessary to take care of the increase in the demand for power. Changes in the primary and secondary distribution systems for lighting and street lighting were recommended to balance the demand between phases.

Apple Hill—Extensions of secondary mains to supply domestic appliances were made.

Chesterville—The capacity of transformers and secondary mains in portions of the municipality was increased to meet the demand for domestic appliances. Additional street lights were added.

Lancaster—Special efforts were made to increase the demand of this system, also the number of rural consumers supplied from the Martintown-Lancaster line.

Prescott—Increased demand for domestic appliances made it necessary to make changes in the secondary system and increase the capacity of transformers.

Russell—A request was received from the Police Trustees for estimates on the cost of power and on a distribution system. These estimates were submitted and the necessary by-laws carried by the ratepayers. The construction of a 4,000-volt, 3-phase line from Chesterville to Russell is under way.

Winchester—Additional power loads made it necessary to rearrange a portion of the distribution system and increase the capacity of the power transformers.

ST. LAWRENCE SYSTEM—RURAL

During 1925, work in rural power districts has been carried on actively in an endeavour to extend the existing lines and to form new districts to supply the demand for power in rural communities.

Public meetings were held during the year in the following townships: Charlottenburg, Cornwall, Lancaster, Osgoode, Russell and Winchester.

As a cumulative result of these activities in the past six rural power districts are now being served by the Commission on the St. Lawrence system. These rural power districts comprise eight townships and serve 181 consumers, requiring approximately thirty-seven miles of primary lines. Extensions totalling one and one-tenth miles of primary lines in addition to improvements to those lines already constructed, were made in the following rural power districts: Brockville, Martintown and Prescott.

RIDEAU SYSTEM

General industrial conditions resulted in a decreased demand on this system over the year. This was more marked in the first half of the year, and a gradual improvement back to previously installed loads took place during the last half of the year. One reason for the decrease in the system load was due to the fact that a special contract for the supply of power to a rock-crushing plant was terminated at the end of the previous fiscal year.

Carleton Place—Domestic-service load has continued to increase during the year, and during the last part of the year there has been an increase also in power load. Recommendations for improvement of street lighting have been made to the municipality.

Kemptville—The municipality has had a successful year, one power customer operating a chopping-mill having been added.

Perth—The load in Perth has increased over 1924. An improved system of street lighting was installed in the business section.

Smith Falls—Power load has been reduced due to waterworks pumping being changed over to water-power and one industrial load reverting to steam-power. A much improved system of street lighting has been installed in the central portion of the town and transmission lines, other than those required for street lighting, have been removed from the business section. This action has resulted in an improvement in the general appearance of the business streets.

THUNDER BAY SYSTEM

The steady increase in the demand for power in this district necessitated the addition of two more generating units at Cameron Falls development, a condition foreseen and mentioned in the last Annual Report. The installation of this equipment comprising units Nos. 5 and 6, together with the necessary extension to the power house building, step-up transformers, switching and protective apparatus, etc., completes this development as originally planned. Practically all of the work was finished during the year with the exception of certain tests on unit No. 6 and this unit will not be ready for load until the early part of next year. An additional bank of transformers totalling 15,000 kv-a. was installed at Bare Point substation, Port Arthur, and an entirely new and permanent structure was constructed at this location during the year, replacing the temporary station which had been utilized since Nipigon power was first delivered in December 1920. Negotiations were carried on with the Kaministiquia Power Company, concerning arrangements for supplying a definite block of power from the Cameron Falls development, through the Bare Point substation and Port Arthur 22,000-volt transmission feeders, to assist that company in taking care of the Fort William load and to relieve the shortage by supplying the power which the Kakabeka Falls development was incapable of providing. Delivery of power under this arrangement was made during the month of October.

Engineering assistance was rendered to the various municipalities of this system as follows:

Fort William—As this municipality had contracted to take its power from the Commission at the expiration of its contract with the Kaministiquia Power Company, viz.: December 8, 1926, an investigation was carried on covering the construction of a local distributing station and terminal transformer station for the reception and distribution of this power. Both of these stations will be constructed during the next year. Preliminary proceedings were taken during the year in connection with the formation of a local Commission to carry on under "Hydro" conditions, and preparations were made for submitting a money by-law to the ratepayers at the coming January elections.

Nipigon Village—A new distribution system was constructed in the village and arrangements made for securing a supply of power from the Nipigon Corporation pulp-mill for serving the various local customers. Assistance was given to the local officials in starting the new system and in carrying on its operation throughout the year.

Port Arthur—The load in this municipality increased by over 5,000 horsepower during the year, and assistance was rendered in negotiating an additional block of power required by one of the existing pulp and paper companies. New main transmission feeders were constructed and placed in operation, alterations and changes were made at High Street substation, and several sections of the local distribution system were reconstructed during the year. A new system of lighting was provided for the Port Arthur–Fort William highway.

OTTAWA SYSTEM

The especially low rates prevailing in the city of Ottawa for domestic service, induce extended use of electrical energy in the homes of the citizens of this municipality and the anticipated increase in power demands for the year has been fully realized. In view of the fact that the present supply provided by an agreement for 20,000 horsepower will shortly be taken the municipality has made representations to the Commission concerning an additional supply of power.

OTTAWA SYSTEM—RURAL

Nepean Rural Power District—During 1925 work in this rural power district has been carried on actively and an extension of line to Manotick village has been put in service and additional consumers connected to existing lines. This district serves consumers in four townships to the number of 163 and requires approximately thirty-one miles of primary lines to serve them.

CENTRAL ONTARIO AND TRENT SYSTEM

Throughout the Central Ontario district in 1925 there was a general increase in the power requirements for domestic purposes; but the demand for power for industrial uses remained stationary.

With the additional 10,000 horsepower capacity provided by the two new generating stations at Dam No. 8 and Dam No. 9, this system had ample capacity to supply the power requirements of the district. The station at Dam No. 9 went into service on March 3, 1925. The system generating capacity is now 47,049 horsepower.

The preliminary work in connection with providing increased generating capacity by means of water storage in the Crow river watershed was continued. Additional capacity can be provided from this source when the demand for power in the district makes it necessary.

Bowmanville—Lines were constructed to provide electric service to the Boys' Training School about one mile east of Bowmanville.

Cobourg—Pole lines on Division street were reconstructed to conform with the curb line. This change greatly improves the appearance of the street and increases the efficiency of the street lighting.

Havelock—A second feeder line of number one steel-reinforced aluminum was constructed from Norwood station to Havelock to provide increased capacity for the power supply to the Canadian Pacific Railway shops.

Lindsay—The street lighting system was improved by the substitution of tungsten lamps for arc lamps.

Newburgh—The Daverin Paper mill situated near Camden East was connected to the system. The load is 200 horsepower.

Oshawa—The local circuits leading out of the substation were reconstructed and sufficient capacity and space were provided for increased loads. All circuits now leave the substation in underground cable.

Peterborough—The Peterborough Utilities Commission made general improvements to its distribution system, including an extension to provide for a 265 horsepower load at the municipal sewage disposal plant.

Peterborough Gas Plant—The Commission constructed a new 300,000-cubic-foot gas holder to provide increased capacity. One water-gas generating set was equipped with the Steere Back-run process.

CENTRAL ONTARIO AND TRENT SYSTEM—RURAL

During the year work in rural power districts has been carried on actively in extending the existing lines and by the formation of new districts to supply the demand for power in rural communities.

Estimated rates based on the provisions of the Rural Hydro-Electric Distribution Act were forwarded to the following townships: Darlington, Douro, Ennismore, Haldimand, Hamilton, Hillier, North Monaghan, Percy, Pickering, Rawdon, Richmond, Smith.

As a cumulative result of these activities in past years seven rural power districts are now being served on this system. These rural power districts comprise nine townships, serve 484 consumers and require approximately sixty miles of primary lines.

Extensions totalling approximately nine miles of primary line, in addition to improvements to those lines already constructed were made in the following rural power districts: Colborne, Kingston, Wellington and Whitby.

The existing rural consumers previously served in Seymour and Rawdon townships were transferred to Campbellford rural power district.

NIPISSING SYSTEM

The installation of a new pipe line at the Nipissing power house, which was undertaken near the close of last year, was completed and placed in operation during this year. A new three-phase transformer of 750 kv-a. capacity, representing an increase of over 60 per cent. in substation capacity, was installed at North Bay, and the increase in the demand for power in this municipality has been such that over 90 per cent. of the total capacity of this new unit was taken up within twelve months after its installation. In order to ensure that the general power requirements of the district would be adequately provided for as fast as increased loads required additional generating capacity, studies were made concerning provision for additional water storage for existing and proposed new developments on the South river, from which source power is obtained for this district.

NEW ONTARIO DISTRICT

Various engineering information and advice, pertaining to power supply and operation, was submitted to certain municipalities in the northern portion of the province. Estimates were prepared and submitted and investigations were carried on for such purposes. This assistance was given in particular to the municipalities of Cochrane, Parry Sound and Schreiber.

RURAL DISTRIBUTION

The minimum of three farm contracts per mile of line to be constructed, or the equivalent, is still the standard requested by the Commission as the basis of the application for the grant towards the cost of rural lines.

The classification of services, given below, is established to distribute equitably the cost to users and shows the estimated net annual service charge, class demands and monthly consumption. No change has been made in this during this year and these standard charges apply to all systems having the required loading, until the operating analysis determines the cost.

The assistance given by the province to farmers and rural residents in the form of a grant towards the capital cost of supplying electrical service is being made to the maximum amount provided for by the Power Commission Act, namely, fifty per cent. of the cost of lines and secondary equipment. This assistance is in pursuance of a long-established governmental policy of promoting the basic industry of agriculture in various ways. This policy had previously found expression in the establishment of agricultural schools, colleges and experimental farms, in assistance for road building and in other ways. The grants-in-aid thus given make it possible to extend hydro-electrical power service to those engaged in and connected with agricultural pursuits in less densely populated districts where otherwise such service would not be financially feasible.

The aggregate load distributed to the rural dwellers is, and must always be, but a relatively small proportion of the total energy distributed by the Commission, and the Provincial grant towards the cost of rural service is of no advantage to the power system as a whole because the demand for power, apart altogether from the small amount distributed to the rural districts, is such as readily to absorb all the available supply. On the other hand, the beneficial influence of rural electrical service on agriculture is reflected in the prosperity and welfare of the province as a whole, and is already a factor of importance and worth.

Residents of rural districts are taking advantage of the assistance that is being given in this way as is shown in the details of extensions which follow in this section of the Report. The business depression of the last few years is giving way to a more optimistic feeling with a resultant increase in business in this branch of the Commission's activities.

Below are itemized the rural extensions approved this year, the capital expended, the amount of the provincial grant, and the number of consumers in groups of hamlet and farm contracts. The summary which follows includes all rural lines built and operated by the Commission, also contracts served by extensions from towns, cities and villages and operated by the respective municipal Hydro utilities, also lines in districts served under Part I of the Power Commission Act.

RURAL EXTENSIONS

During the year, there were 217 miles of primary line constructed, rehabilitated and absorbed, of which six and three-fifth miles were underground cable. Arrangements have been completed to construct a large number of additional rural lines during the coming year.

The following tabulation shows, in detail, the extensions approved this year, the number of consumers, the capital, the amount of the Provincial grant approved by the Government and the load taken:

Miles of line 320.02

Number of consumers

	Hamlet	Farm	
Niagara system	1,951	1,135	
Georgian Bay system			
Severn division	53	3	
Eugenia division	(1)	13	
Wasdells division	59	8	
St. Lawrence system	19	4	
Ottawa system	7	2	
Central Ontario and Trent system	299	87	
Totals	2,387	1,252	3,639

Total capital approved for primary line extensions $803,273.40

Amount of Provincial grants approved by Order-in-Council $401,636.71

Power supplied in rural districts to serve farm, hamlet and power customers

	Township distribution horsepower	Rural power district distribution horsepower	Total horsepower
Niagara system	4,396	4,955	9,351
Georgian Bay system—Severn division	.....	81	81
" " " —Eugenia division	.....	10	10
" " " —Wasdells division	.....	72	72
St. Lawrence system	.....	96	96
Ottawa system	.....	70	70
Central Ontario and Trent system	.....	290	290
Total	4,396	5,574	9,972

New contracts were executed by twenty-nine townships, of which sixteen are already being served. At the request of various township councils seventy-two meetings were held in different parts of the Province at which the question of rural power supply was discussed and explained in detail; moving pictures were shown describing the use and application of farm appliances and a demonstration was made at the annual Provincial ploughing match. At most of these meetings committees were appointed to pass on to those interested this information regarding distribution of power in rural districts, the uses that might be made of the power when it is available and general information regarding equipping the premises for light and power.

To date the Commission, having agreements with the following townships, has built lines to serve consumers.

Niagara System: Ancaster, Anderdon, Barton, Bayham, Bertie, Beverly, Biddulph, Blandford, Blenheim, Bosanquet, Brantford, Burford, Caradoc, Cayuga North, Chatham, Chinguacousy, Clinton, Colchester South, Crowland, Delaware, Dereham, Dorchester North, Dorchester South, Dover, Downie, Dumfries North, Dumfries South, Easthope North, Easthope South, Ekfrid, Ellice, Esquesing, Etobicoke, Flamboro East, Flamboro West, Georgina, Glanford, Goderich, Gosfield North, Gosfield South, Grantham, Guelph, Gwillimbury North, Harwich, Hay, Howard, Humberstone, King, Lobo, London, Louth, Maidstone, Malahide, Malden, Markham, Mersea, Middleton, Moore, Morris, Mosa, Nelson, Niagara, Nissouri East, Nissouri West, Norwich North, Norwich South, Oneida, Orford, Oxford East, Oxford North, Oxford West, Pelham, Puslinch, Raleigh, Rochester, Saltfleet, Sandwich East, Sandwich South, Sandwich West, Sarnia, Scarboro, Sombra, Southwold, Stamford, Stephen, Thorold, Tilbury East, Toronto, Townsend, Trafalgar, Tuckersmith, Usborne, Vaughan, Wainfleet, Walpole, Waterloo, Wellesley, Westminster, Willoughby, Wilmot, Windham, Woodhouse, Woolwich, Yarmouth, York, York East, York North, Zorra East.

Georgian Bay System—Severn division: Flos, Nottawasaga, Oro, Sunnidale, Tay. **Eugenia division:** Artemesia, Bentinck, Brant, Derby, Kinloss. **Wasdells division:** Brock, Eldon, Mara, Mariposa, Morrison, Orillia, Rama, Reach, Thorah, Uxbridge.

St. Lawrence System: Augusta, Charlottenburg, Edwardsburg, Elizabethtown, Kenyon, Lancaster, Williamsburg, Winchester.

Ottawa System: Gloucester, Gower North, Nepean, Osgoode,

Central Ontario and Trent System: Darlington, Haldimand, Kingston, Murray, Pickering, Seymour, Whitby, Whitby East.

Summaries of information relating to rural line extensions, including expenditures and Provincial grants, are, for the townships just listed, presented below.

SUMMARY OF RURAL LINE EXTENSIONS

Approved by the Commission to October 31, 1925

Miles of primary lines		1,525.21
Number of Consumers		
Rural power districts		
Hamlet	9,394	
Farm	4,505	
		13,899
In addition to consumers served direct by the Commission there are the following rural consumers served by municipalities:		
Suburban	9,258	
Hamlet	1,510	
Farm	650	
		11,418
Total		25,317
Contracts not yet connected in rural power districts		1,600
Total rural capital expenditure approved to October 31, 1925		$3,249,401 13
Provincial grants approved by Order-in-Council to October 31, 1925		$1,616,557.85

When contracts between the consumer and the township have been executed, users of power in townships are supplied with service under classifications as set out below. Following the classification a table is presented showing the class demands in horsepower, the estimated monthly consumption in kilowatt-hours and the estimated net annual service charge.

CLASSIFICATION OF SERVICES FOR RURAL DISTRICTS

Class I: Hamlet Service—Includes service in hamlets, where four or more customers are served from one transformer. This class excludes farmers and power users. Service is given under two sub-classes as follows:

1-B: Service to residences and stores for lighting and small appliances. Use of appliances over 750 watts permanently installed is not permitted under this class.

1-C: Service to residences with electric range or permanently installed appliances greater than 750 watts. Special or unusual loads will be treated specially.

Class II-A: House Lighting—Includes such contracts where residences cannot be grouped as in Class I. This class excludes farmers and power users.

Class II-B: Farm Service, Small—Includes lighting of farm buildings and power for miscellaneous small equipment, and power for single-phase motors, not exceeding two horsepower or an electric range (range and motor are not to be used simultaneously) on a small farm of ten acres or less in fruit growing districts and fifty acres or less in mixed farming or dairy districts.

Class III: Farm Service, Light—Includes lighting of farm buildings, power for miscellaneous small equipment, power for single-phase motors, not to exceed 3-horsepower demand, or electric range. Range and motor are not to be used simultaneously.

Class IV: Farm Service, Medium Single-Phase—Includes lighting of farm buildings and power for miscellaneous small equipment, power for single-phase motors, up to 5-horsepower demand, or electric range. Range and motor are not to be used simultaneously.

Class V: Farm Service, Medium 3-Phase—Includes lighting of farm buildings and power for miscellaneous small equipment, power for 3-phase motors, up to 5-horsepower demand, or electric range. Range and motor are not to be used simultaneously.

Class VI-A: Farm Service, Heavy—Includes lighting of farm buildings and power for miscellaneous small equipment, power for single-phase motors, up to 5-horsepower demand and electric range, or 10-horsepower single-phase motor without electric range.

Class VI-B: Farm Service, Heavy—Includes lighting of farm buildings and power for miscellaneous small equipment, power for 3-phase motors up to 5-horsepower demand and electric range, or 10-horsepower 3-phase motor without electric range.

Class VII-A: Farm Service, Special—Includes lighting of farm buildings, power for miscellaneous small equipment, power for single-phase motors from 10- to 20-horsepower demand, and electric range.

Class VII-B: Farm Service, Special—Includes lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand, and electric range.

Class VIII: Syndicate Outfits—Includes any of the foregoing classes which may join in the use of a syndicate outfit, provided the summation of their respective class demand ratings is equal to the kilowatt capacity of the equipment.

CLASS DEMANDS, ESTIMATED MONTHLY CONSUMPTION AND ESTIMATED ANNUAL SERVICE CHARGE IN RURAL POWER DISTRICTS

Class	Name	Class demand horse-power	Estimated monthly consumption kilowatt-hours	Estimated net annual service charge
				$ c.
I	Hamlet Service b. lighting, etc	1	15	19.44
	Hamlet Service c. lighting, range, etc	2⅔	150	35.64
II-A	House Lighting	1⅓	15	24.30
II-B	Farm Service, Small	2⅔	35	37.26
III	Farm Service, Light	4	40	49.14
IV	Farm Service, Medium Single-Phase	6⅔	70	51.30
V	Farm Service, Medium Three-Phase	6⅔	70	62.10
VI-A	Farm Service, Heavy Single-Phase	12	150	79.38
VI-B	Farm Service, Heavy Three-Phase	12	150	89 64
VII-A	Farm Service, Special Single-Phase	20	300	117.72
VII-B	Farm Service, Special Three-Phase	20	300	142.56

SECTION IV

HYDRAULIC ENGINEERING AND CONSTRUCTION

During the past fiscal year the Hydraulic department has been engaged in work of considerable magnitude, both as regards direction of actual construction as well as investigation of possible future sources of power. The two plants of the Commission to which major additions have been made are the Queenston power house, where units No. 7 and No. 8 were completed and placed in operation, and the building extended for unit No. 9, and the Cameron Falls station on the Nipigon river, which was extended to accommodate units No. 5 and No. 6. All units, it is expected, will be operating before the end of the present calendar year.

Some of the more prominent items of work carried out under the direction of the Hydraulic department which might also be mentioned in this brief summary are, the repairs to the Toronto Power plant tunnel, the completion and placing in operation of the Dam No. 9 development on the Trent river, the necessary work to complete the two new units in the South Falls station on the South branch of the Muskoka river, which are now carrying load, and the starting of construction work on the Hanna Chute development immediately upstream from South falls. A spillway dam at Virgin falls to control the discharge of the Nipigon river and a storage dam at Hollow lake to increase the low flow of the Muskoka river, were also practically completed.

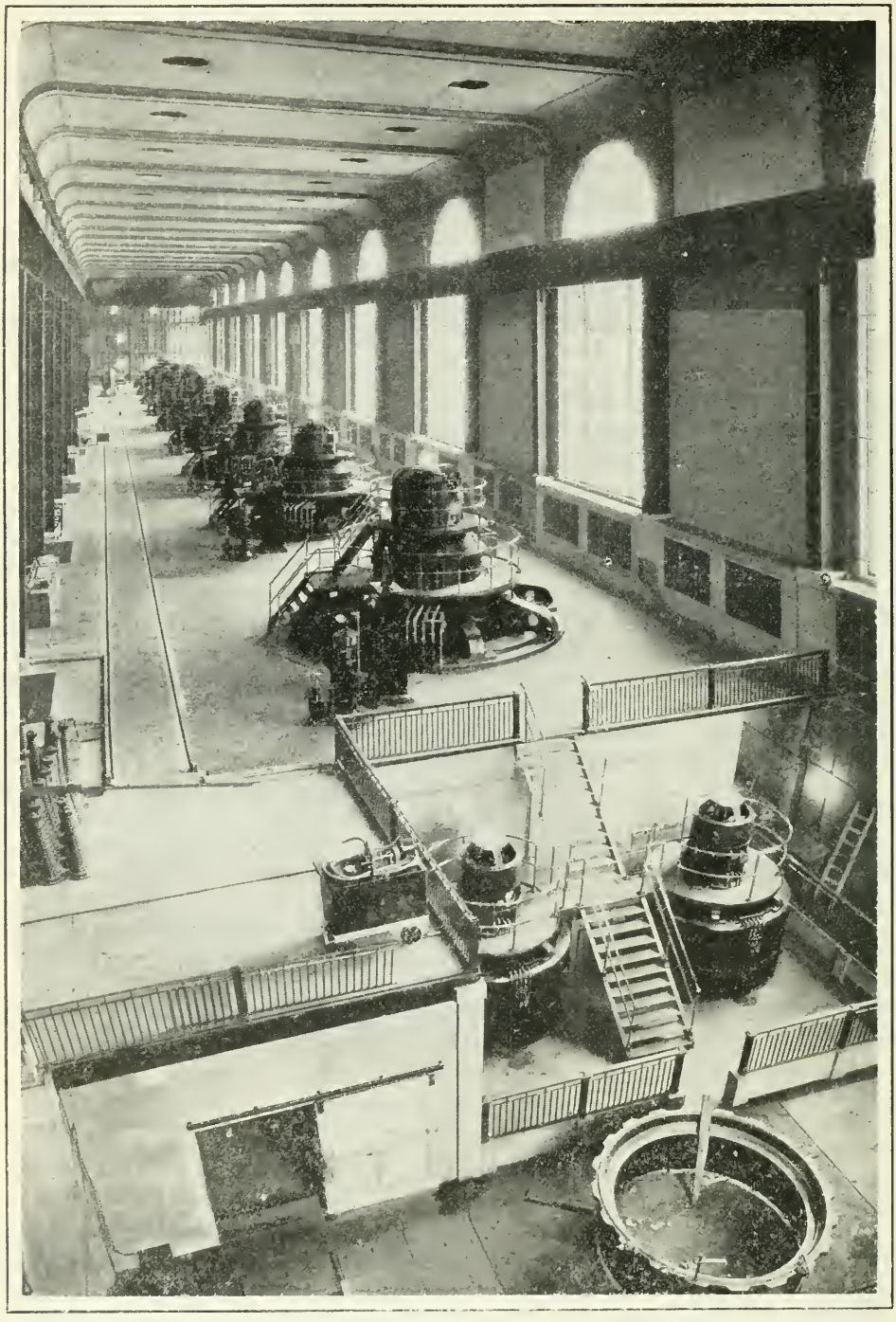
Surveys were made on the Ottawa, Musquash and other rivers and on lake Nipigon, and the notes are now being plotted. Investigations were made of the power possibilities of the Ottawa and the St. Lawrence rivers and studies carried out to determine means of increasing the available power on the Niagara and Nipigon rivers.

A large amount of testing of hydraulic equipment and structures was carried out in the various plants of the Commission, and special studies were made to determine means of increasing the capacity and the operating efficiency of a number of our developments. A more detailed account of the foregoing and an outline of other activities of the Hydraulic department are given below.

NIAGARA SYSTEM

QUEENSTON-CHIPPAWA DEVELOPMENT

In order to meet the ever increasing demand for more power on the Niagara system, work in connection with the completion of the Queenston power house was vigorously prosecuted throughout the year, because the maximum amount of diversion allowable under the Boundary Waters Treaty was being approached, and, from the same quantity of water, nearly twice the energy can be generated at Queenston that would be secured from the plants situated at the Falls. The installation of units No. 7 and No. 8 was completed, the former being placed



QUEENSTON-CHIPPAWA POWER DEVELOPMENT

Generating station showing units Nos. 1 to 9 with two service units in foreground

QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Suction dredge "Shuniah" excavating in the Welland River section of the power canal

on load in December, 1924, and the latter in July, 1925. The power house extension for unit No. 9 involved large quantities of rock excavation and concrete, besides the installation of turbine, governor, governor pumps and piping, Johnson valve and miscellaneous equipment. It also included the assembly and concreting in of the 16-foot diameter penstock, and the extension of the escarpment wall over the penstock. This work is practically completed now, and it is expected that this unit will be on load before the end of 1925. This will complete the generating installation up to the capacity of the canal under existing conditions.

Canal betterments were continued and practically completed. These involved the construction of concrete and masonry toe walls along the rock berms to support the earth slopes, and the protection of the exposed faces of the rock cut with gunite. A large amount of rock and debris which had fallen into the canal prior to the constuction of these toe walls was removed by dragging the canal bottom with a specially constructed drag bucket operated from a derrick scow.

Dredging in the earth section of the canal and in the Welland river has been in progress throughout the open water season to provide the larger cross sectional area required for the nine units installed at the power house. This dredging is being carried out by E. O. Leahey & Company, Limited, who are operating two large suction dredges. It is expected that this work will be completed in the spring of 1926.

Due to the low level of lake Ontario, an ice jam formed at the mouth of the Niagara river in December, 1924, which resulted in a severe congestion of ice in the lower river and a big rise in water level at the power house, the water reaching an even higher level than it did the previous winter. This jam remained in the river until the spring break-up, and, while the rise in water level was not sufficient to do any damage to the power house, it caused some delay to construction operations. The power house is protected against such high water levels in the river to a point thirty-three feet above the highest level reached last winter, and ten feet above the highest level previously recorded, so it is believed that no serious damage can result from this cause.

QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Portage Road highway bridge over the canal

This great power development is now nearing completion, and, although the magnitude of the work is undoubtedly the outstanding feature, still it may be cited also as an example where refinements in design and construction have been more than justified from an economic standpoint.

BRIDGES ACROSS POWER CANAL

On McLeod Road bridge a 4-inch frostproof water main was installed in November, 1924, and the bridge was opened for traffic in the same month. The approaches, however, were given their final lift and rolled in April, 1925. The temporary wooden structure which had been in service for some years was then removed.

Contracts for a permanent bridge at Winery road were let in May, 1925, to James A. Vance and the Hamilton Bridge Works Company, Limited, respectively, for the substructure and superstructure.

The bridge, which is on a 35-degree skew, was designed in accordance with the specification for class A loading of the Department of Public Highways of Ontario. It consists of a central 98-ft. span and two 70-ft. approach spans. The piers and abutments are similar to those installed at Victoria street and the superstructure consists of deck Pratt trusses uniform in design and general appearance to the other highway crossings of the canal, which, however, have trusses of the Warren type. The roadway of the bridge is 20 ft. wide between curbs with one 6-ft. sidewalk in place and provision for an additional one when required.

The shattered condition of the exposed strata along the canal edges necessitated the removal of a large amount of solid rock in placing the foundations of the piers, and the erection of a short section of wall on the south side.

QUEENSTON-CHIPPAWA POWER DEVELOPMENT
Winery Road highway bridge, looking south

The 5-ft. bed of quicksand which underlies the clay at a depth of 22 ft. on both sides of the canal was encountered in excavating for abutments and had to be removed.

By August 1, the substructures were practically complete, but it was not until the middle of October that the structural steel was all in place, riveted up and painted. Since then a 6-inch water pipe has been laid and the reinforced concrete deck poured. As soon as this has set and the frostproofing of the pipe is completed the bridge will be opened for traffic.

ONTARIO POWER DEVELOPMENT

After a careful study made with a view to obtaining the maximum power output from the available diversion from the Niagara river, which involved extensive efficiency tests on the installed generating units in the two plants at the Falls, it was found that an important gain could be made by replacing the old runners at the Ontario Power plant with new runners of lower capacity, but somewhat higher efficiency. Accordingly new runners were ordered for fourteen of the fifteen units; these are now at the plant and will be installed as soon as load conditions permit.

TORONTO POWER DEVELOPMENT

The work at this plant during the year consisted chiefly of the replacement of the old type high-pressure oil thrust bearings on the main generating units with modern Kingsbury thrust bearings, and of repairs to the tailrace discharge tunnel.

Of the eleven units in the plant, six have been already equipped with the new Kingsbury bearings, and it is expected that the remainder will be installed by the end of the calendar year. This work is being done by the maintenance forces of the Commission, and the new bearings show a very marked superiority over the old ones in operating cost and in efficiency. A large number of high pressure pumps, together with tanks, piping and fittings of considerable value, will be released when all the new bearings are installed, and a material reduction in the operating staff will be effected.

Although a previous inspection of the tailrace tunnel, which discharges under the Horseshoe falls, revealed that a considerable length of the invert

TORONTO POWER GENERATING STATION
Portal of the tailrace discharge tunnel

had been damaged and washed out, it was not possible to close this plant to repair the tunnel until last June, when additional power was available from the Queenston station. The situation of the damaged section was almost directly below the deepest portion of the river below the upper rapids, and it was feared that the tunnel would ultimately collapse if allowed to operate under these conditions.

The damaged invert, which originally consisted of a concrete base faced with hard burned vitrified brick, was replaced with one composed altogether of concrete. At a point outside the power house near the river's edge a hole eight inches in diameter was drilled through the overlying rock to the tunnel a distance of approximately 135 feet. This hole was then lined with steel pipe. The concrete was poured down this hole into a hopper at the bottom and motor-driven cars quickly delivered it into place. The work was prosecuted vigorously day and night, about 2,400 cubic yards of concrete in all being placed in a period of two months, and the station was placed back in service in the first week in August.

Advantage was taken of the shut-down to clean out the inner forebay and overhaul the racks. Interesting data were obtained relating to the rate of recession of the falls at the portal of the tunnel which is not far from the point of greatest erosion.

GEORGIAN BAY SYSTEM

SOUTH FALLS DEVELOPMENT

The extension of the South Falls plant on the South branch of the Muskoka river which was started the previous year, was carried to completion and is in successful operation at the present time. The installed capacity now consists of the two new 2,200 horsepower units and the existing 1,000 horsepower unit. The additional storage required for this increased capacity is being provided at Hollow lake. The first of the new units was placed in operation in January, 1925, and the second in July, the progress being unavoidably slow on account of the precautions necessary to permit continuous operation of the 1,000 horsepower unit during construction work.

HANNA CHUTE DEVELOPMENT

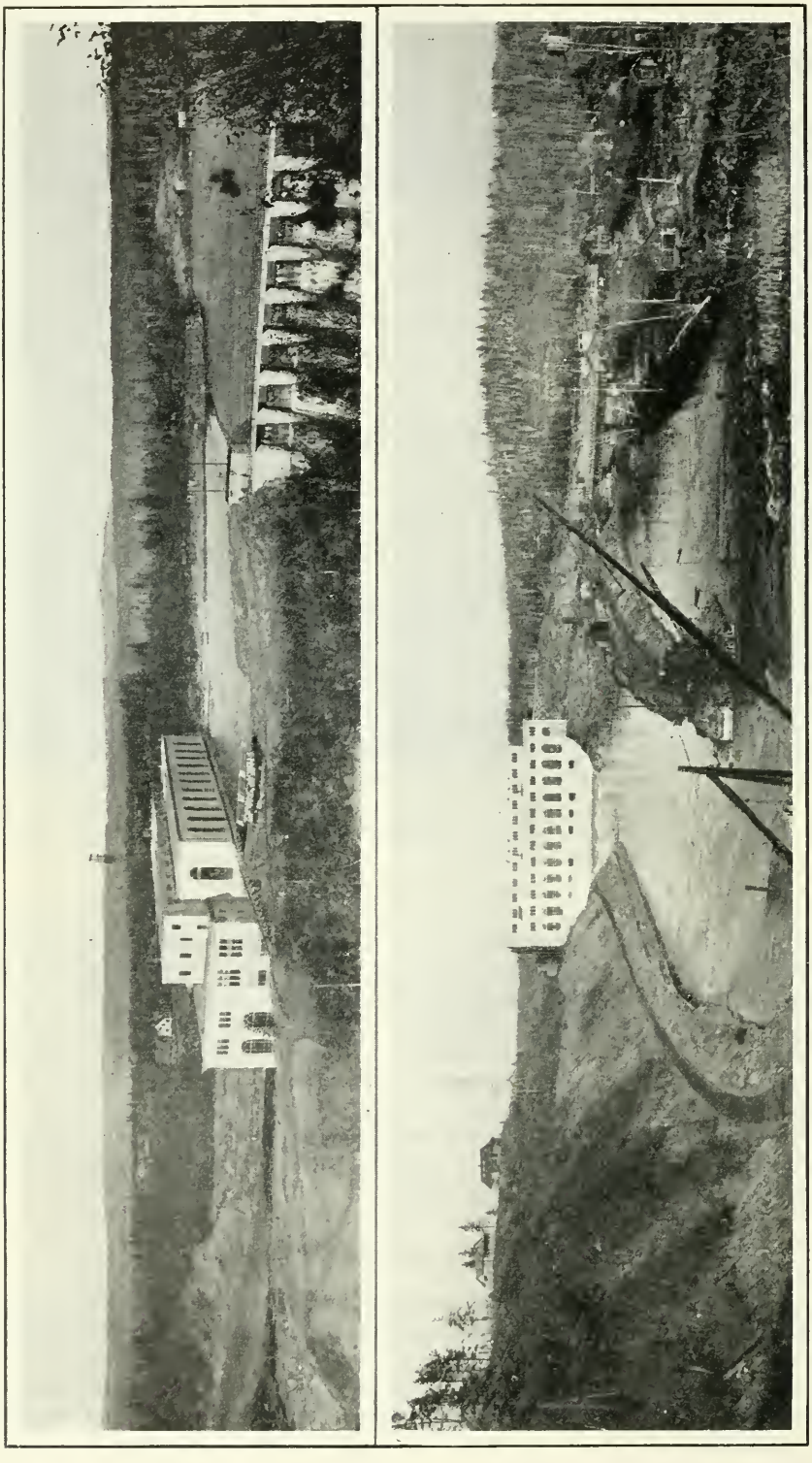
The enlarged plant at South falls required a much larger head-pond than the existing one, and the site selected to provide this was at Hanna chute, which is about half a mile above the South Falls station. At this place a concrete dam is now under construction which will create a head-pond of ample magnitude. Instead of providing a valve or similar means of passing the flow down to the plant as required, a vertical unit of 1,550 horsepower capacity under a head of thirty feet will be installed. This will be operated from the main station through remote control equipment. The power house is located in the middle of the stream and is flanked on one side by a wing wall and on the other side by stop log sluices for handling the flood water. Work was started by the Construction department of the Commission on the completion of the South Falls extension. The dam and the power house substructure are now almost completed, and it is expected that the station will be in operation by the early summer of 1926.

Hollow Lake Storage

A storage dam is now under construction at the outlet of Hollow lake, which drains into Lake of Bays, to further conserve and regulate the discharge of the South Muskoka river. Some storage already exists on the upper lakes of the watershed, and Lake of Bays itself provides a further supply after the navigation season closes. The capacity of the Hollow lake reservoir is 75,000 acre feet. This storage will be of immediate benefit to the South Falls and Hanna Chute plants, and of benefit also to any new developments which may later be constructed on the Musquash river below Muskoka lake. The dam is of stone masonry construction and will be available to store the spring flood of 1926 for use in the low flow periods of the year.

EUGENIA FALLS DEVELOPMENT

Investigations were made with a view to providing further storage on the Beaver river, in order to derive all possible benefit from the water available from this watershed. The Eugenia plant, which is now interconnected with other plants on the Severn and Muskoka rivers, operates primarily as a peak load plant, and, on account of the very high head, 550 feet, the stored water is extremely valuable.



CAMERON FALLS POWER DEVELOPMENT—NIPIGON RIVER
Panoramic views of the development as completed for six units

ST. LAWRENCE SYSTEM

St. Lawrence River Investigations

During the past year field activities relating to development of the St. Lawrence river were confined to a study of ice conditions and to diamond drilling operations. In connection with the first part of the work small staffs were located at Morrisburg and Cornwall and the river was kept under constant observation between Prescott and Coteau. Meteorological observations were made daily and a continuous record was kept of the conditions existing in the river. Numerous photographs were also taken.

The diamond drilling operations were an extension of similar work done in 1919-1920 and developed in greater detail the elevation of the rock surface in the vicinity of the proposed works.

A large amount of office work was also accomplished consisting mainly of hydraulic studies, layouts and estimates of cost in connection with the various proposed schemes of development.

THUNDER BAY SYSTEM

CAMERON FALLS DEVELOPMENT—NIPIGON RIVER

Continually increasing demands for power on the Thunder Bay system, due principally to the growth of the pulp and paper industry, necessitated proceeding with the installation of units No. 5 and No. 6 at the Cameron Falls development, on the Nipigon river. A brief description of this development, now practically completed and in successful operation, may be of interest.

The topography of the site is such that the complete development is concentrated in a small area. The scheme consists essentially of a dam across the Nipigon river at the head of Cameron falls and short headrace and tailrace channels excavated across the point of land formed by a bend in the river. The dam creates a head-pond of over four square miles in area, extending some twelve miles upstream. This gives ample pondage to provide for the weekly load-factor on the plant, with a variation in the head-water level of less than three feet for a uniform flow in the river. This large still reservoir freezes over in the early winter and provides an ice cover until the spring break-up, preventing the formation of troublesome frazil and anchor ice.

The main dam is a concrete spillway structure, provided with eight sluiceways. Regulation is obtained by means of stop logs, and wing walls on either side extend the crest to the required contour level. The stop logs in the sluiceways are raised or lowered by means of an electrically operated spud winch, which moves along an operating deck over the top of the spillways. The total length of the dam is approximately 300 feet, and the maximum height in the centre is sixty-seven feet. In addition to the main dam, five auxiliary earth-fill dams and one timber-crib dam were required.

The forebay occupies an opening in the natural rock walls of the river and is approximately 300 feet long by 260 feet wide. It was excavated to a depth of forty feet and is flanked by wing walls at the power house end.

The power house is of reinforced concrete and is of the concentrated type of construction, in which the head-works, supply pipes and power house all form part of the same structure. The inlet for each unit consists of three sections

thirty-five feet high and ten feet wide, separated by walls which are heavily reinforced. Integral steel racks, in sections to permit easy handling, are installed in these openings inside the headworks. Behind the racks are situated the head gates, three for each unit, each gate being eleven feet wide and eighteen feet in height. The two outside gates are sliding gates, while the middle gate is of the Stoney free-roller type and can be opened against full water pressure. Ahead of the racks and head gates, checks are provided for unwatering the racks or gates, should such be found necessary. It was considered essential in this climate to house the racks and gates with a building which could be heated in cold weather, and consequently a superstructure was built over the headworks.

The supply pipe for each unit consists of three rectangular openings, each ten feet by thirteen feet, the distance from the head gates to the centre line of the units being eighty-six feet. The turbine scroll cases are also of reinforced concrete construction. While the reinforcing required for the head was necessarily heavy, no difficulty was met with either in the design or the construction thereof, and by proper care at construction joints, they are remarkably free from leakage. The units are spaced forty-five feet centre to centre, and the draft tubes are of the elbow type, the upper section having a steel plate liner.

The turbines are of the Francis, single runner, vertical type, rated at 12,500 horsepower under 72-foot head, and operate at a speed of 120 r.p.m. Units No. 1 and No. 2 were supplied by William Cramp & Sons Ship & Engine Building Company, No. 3 and No. 4 by Canadian Allis-Chalmers, Limited, and No. 5 and No. 6 by Canadian Vickers, Limited. The guide bearings for units No. 1 to No. 4 are of the lignum-vitae, water-lubricated type, and for units No. 5 and No. 6 of the oil-pressure babbitted type.

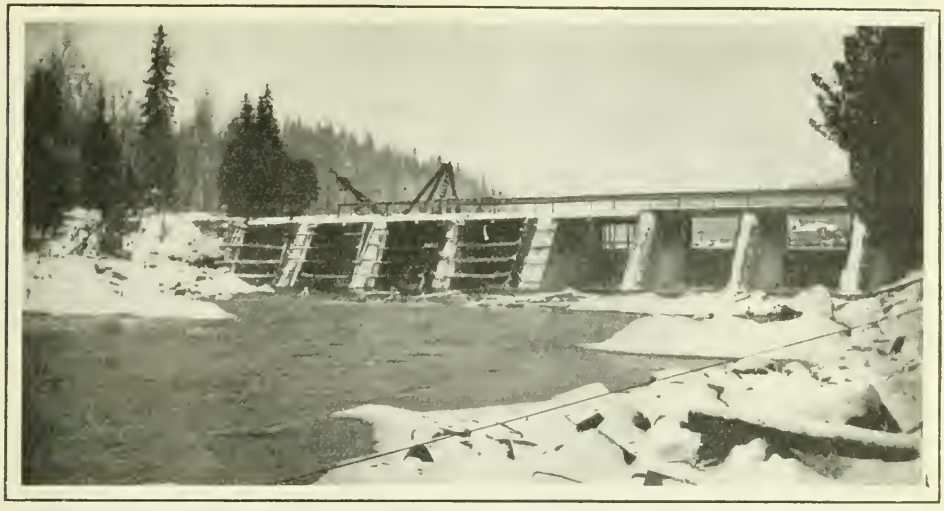
The governors are supplied with pressure from a central pumping plant having duplicate centrifugal pumping units of 650-gallons-per-minute capacity. Water containing a small amount of potassium bichromate is used for the operating fluid, and has proven quite satisfactory.

The Nipigon river is justly famous for its trout fishing, and to help preserve this sport a fish ladder has been provided around the west end of the power house. This is of timber construction and is about 400 feet long. The design of the ladder was approved by the Provincial Game and Fisheries department, and, it is believed, provides a satisfactory passage for the fish in their annual upstream migration.

The construction work in connection with the installation of units No. 5 and No. 6 was also carried out by the Construction department of the Commission, and was prosecuted vigorously during the past year. Unit No. 5 is now operating and No. 6 is expected to be on load early in 1926, thus completing the installation of this station to its full capacity of 75,000 horsepower.

Virgin Falls Dam

The addition of the last two units at Cameron Falls required the installation of the control dam at Virgin falls at the outlet of lake Nipigon, to provide at all times a sufficient quantity of water for the plant. The main dam, which contains nine stop log sluices, is situated on the rock ridge which controlled the outflow from the lake into the Nipigon river. To provide water to operate the plant at Cameron falls during the unwatering of the main outlet, a diversion channel was excavated across a point of land on the east bank, and three stop log sluices were installed in this channel.



NIPIGON RIVER POWER DEVELOPMENTS
Main dam, Virgin Falls, from down-stream

The work, which was started early last summer and is now practically completed, was done by the Construction department of the Commission, and although the site was very inaccessible and the unwatering proved to be difficult, it was successfully carried out. Control of the flow was secured in time to conserve last spring's run-off.

An auxiliary cut-off dam was also required at Black Sturgeon bay to prevent the water from escaping into the Black Sturgeon river at high stages of lake Nipigon. This work is also being done by the Commission's Construction department, and is expected to be completed during the coming summer.

A reconnaissance was made of the shores of lake Nipigon and the islands in the lake to determine the extent of land damages for high water elevations of the lake in connection with the operation of Virgin Falls dam. Some slight variations were found from the available topographical maps of the lake, and the information gathered is being submitted to the Department of Lands and Forests.

CENTRAL ONTARIO AND TRENT SYSTEM

DAM No. 8 DEVELOPMENT—TRENT RIVER

Dam No. 8 development has been in continuous service throughout the year and has proved the practical application of remote control for smaller capacities and isolated situations.

DAM No. 9 DEVELOPMENT—TRENT RIVER

This development, onwhich work was started early in 1924,is now completed and in operation. It is situated at the head of Meyers island on the east branch of the Trent river about two miles upstream from Dam No. 8 development. The layout at Dam No. 9, where a net head of twenty-two feet is available, is

somewhat similar to that at Dam No. 8. An inner forebay was constructed downstream from the power sluices provided in the embankment of the Trent canal, and the power house located across the lower end. A tailrace cut forty feet wide by 1,400 feet long, excavated in solid rock in the river bed, carries the discharge down to the slack head water reach of Dam No. 8 development. Three vertical units, propeller type, each rated at 1,600 horsepower, are installed in the power house. This station, as well as that at Dam No. 8, is operated from Ranney Falls station through remote control equipment.

The construction work was carried out by the Construction department of the Commission, with the exception of the tailrace excavation which was done by contract. The first unit was placed in operation on March 2, 1925, and the remaining two shortly afterwards.

NIPISSING SYSTEM

NIPISSING DEVELOPMENT

The new seven-foot wood stave pipe, which was completed and placed in service in November, 1924, has very satisfactorily met the anticipated increase in capacity. In making the change over to the new pipe line, considerable forethought was given to the problem, and this, combined with rapid and efficient work by the forces employed, enabled the change over to be made during a period when the load could be carried by the Bingham Chute plant. The old pipe line was then dismantled and removed.

BINGHAM CHUTE DEVELOPMENT

Minor construction activities have been in progress to divert surface drainage away from the station and to strengthen the embankment at the headworks. This work has now been completed.

HYDRAULIC INVESTIGATIONS AND TESTS

Niagara River

Investigations were instituted and carried on throughout the year to determine the effects of construction work, disposal areas and diversions on water surface elevations along the Niagara river.

The bulk of the work consisted of the collection and co-ordination of data, the establishment of gauge equations, computation of backwater profiles and the segregation of the contributory influences of the various factors involved. All of this information will be useful in the analysis of the general effects of changes in the regime of the Chippawa-Grass island pool.

In accordance with the requirements of the Niagara Control Board, the tests, ratings and reports upon the three plants controlled by the Commission, which were made during the previous year, have been applied to the measurement of the hourly diversion at each plant. Organization to effect this has been completed and these records have been prepared and transmitted to the Control Board since January 1, 1925

Besides providing the information whereby it may be determined that the regulations of the Boundary Waters Treaty are being observed, the records provide valuable information that will be useful in effecting more efficient use of the water available for production of power.

Efficiency tests were made on turbine unit No. 7 at the Queenston power house in March, 1925. These tests were similar to those made upon No 5, which were described in the Annual Report for 1923. This unit and those similar in the plant, viz., Nos. 6, 8 and 9, have greater capacity than any other units in Canada, and the one tested showed a maximum turbine efficiency of 93.8 per cent, which is believed to be the highest realized anywhere up to the present time.

Muskoka, Moon and Musquash Rivers

Detailed surveys have been in progress throughout the summer and early fall on the Moon and Musquash river area extending from Bala down to Georgian bay. The object of these surveys was to enable the power possibilities of these rivers to be studied as a whole, and to determine the most economical and feasible locations for development. These survey notes are now being plotted so that various layouts may be prepared and estimates made.

Tests were made on turbines No. 1 and No. 3 at the South Falls plant on the South Muskoka river. Besides the usual capacity and efficiency tests the opportunity was taken at this plant to investigate pressure rise and speed rise under actual conditions of plant operation with sudden load changes. These investigations were intended to give some guide as to the accuracy of the assumptions made in designing plants with long penstocks. Many valuable data were obtained.

Trent River

An investigation was made of the storage possibilities of the Crow river watershed, based on surveys and studies of stream flow of the Trent river and the Crow river, which joins the Trent a short distance above Campbellford. Investigations were made for providing storage reservoirs at various sites on the Crow river area to insure an adequate supply of water at all times for the plants of the Central Ontario system below the Crow river. Estimates of cost were prepared for a number of schemes.

Further sources of power from the undeveloped sites on the lower Trent were investigated. These investigations included a valuation of the Gilmour interests, and the preparation of preliminary estimates of the cost of developments.

Efficiency and capacity tests were made upon the turbines at Dam No. 9 development. These turbines are the first of the high-speed propeller type wheels to be installed in any of the Commission's plants, and the results consequently were awaited with considerable interest. In low head plants such as this one, measurement of water used is made only with great difficulty. By using a number of current meters of different types, and rating these with various conditions of disturbed flow, reliable and accurate measurements of the water used were made possible.

Tests were also made at Dam No. 8 supplementing those mentioned in the last Annual Report.

CHATS FALLS ON THE OTTAWA RIVER

Ottawa River

The survey work, which was commenced the previous year on the Ottawa river, having as its object the collection of information necessary to enable layouts and estimates of cost of all the undeveloped power sites to be made, was continued during the past season and is now practically complete. In 1909 the Department of Public Works issued a report with plans, known as the Georgian Bay Ship Canal Report, which treated in great detail the project of canalizing the river, and, in somewhat lesser detail, the power possibilities. These plans were used as a basis for the surveys made by the Commission, but required considerable supplementing for a study of power development.

Additional soundings were taken in the rapids above Ottawa to supplement the available plans for the proposed Deschenes development.

The remaining section, where additional information to that contained in the Georgian Bay Ship Canal plans was required, was between Hawkesbury and Carillon, and this was completed in about one month.

Notes are now being plotted in the office and layouts for all the undeveloped sites are being made. The Commission now has sufficient data to enable a comprehensive study of the total power possibilities of the Ottawa river to be carried out and estimates of cost of developments at the various sites to be made. It is expected that about 500,000 horsepower will be available as Ontario's share of the undeveloped sites between Mattawa and Pt. Fortune. All of these sites, with the exception of Carillon, are in the neighbourhood of 200 miles from Toronto in a direct line.

SECTION V

ELECTRICAL ENGINEERING AND CONSTRUCTION
(STATION SECTION)

Authorization was given on July 14, 1925, to proceed with architectural and structural studies and prepare designs for an extension to the Administration building at 190 University avenue.

The extension will adjoin the present building and follow the same architectural effect and will extend on University avenue to Orde street. Full provision will be provided, both architecturally and structurally, for further extension on Orde street.

NIAGARA SYSTEM

QUEENSTON GENERATING STATION

As forecast in the Seventeenth Annual Report, unit No. 7 was placed in service on December 15, 1924. Unit No. 8 was placed in service on August 10, 1925. Detail work on the building should be completed in December.

The extension for No. 9 unit is nearing completion and the generator and transformer bank should be in service early in December. The changes in the armature windings were also completed on Nos. 5, 6, 7 and 8 generators.

It was decided that it would be advisable to alter the bus connections and switching equipment so as to give more flexibility in the transfer of load between sections. This work has been completed on units Nos. 5, 6, 7 and 8 and much of the equipment released is being used for No. 9 unit.

All the other work referred to in the 1924 Annual Report has been completed and the equipment placed in service.

Screen House

The fifty-foot extension to the building to house the gates and screens for No. 9 unit penstock has been completed.

ONTARIO POWER GENERATING STATION

Two watthour meters were installed to measure the power output of No. 3 and No. 4 auxiliary units. Differential relay protection and thermocouple leads for generators Nos. 1 to 14 are being installed.

TORONTO POWER GENERATING STATION

Three current-limiting reactors were purchased for installation in No. 3 generator leads. These will replace those destroyed in October, 1924.

NIAGARA TRANSFORMER STATION

Lincoln Distributing Station

One additional 300-kv-a. transformer and the necessary switching equipment were installed, and placed in service on May 28, 1925.

Queenston Quarries Limited

A 12,000-volt station was constructed for the Queenston Quarries Limited at its plant, and placed in service on June 20, 1925. The station comprises six 50-kv-a., 12,000/440-volt, single-phase transformers with the necessary switching equipment.

DUNDAS TRANSFORMER STATION

The three 75-kv-a. service transformers were replaced by three 150-kv-a. units and the original units shipped to Kitchener transformer station.

Brick barrier-walls were erected around the lightning arresters.

Caledonia Distributing Station

The capacity of this station was increased by the installation of a third 300-kv-a., 3-phase transformer. This transformer was transferred from Port Credit distributing station and installed outdoors on February 19, 1925.

Dundas Rural Distributing Station

The 300-kv-a., three-phase transformer was replaced by a bank of three 150-kv-a. units which were placed in service on June 21, 1925.

Hagersville Distributing Station

The low voltage at the above station was changed from 2,300 volts to 4,000 volts. The work was completed and the equipment placed in service on June 15, 1925.

TORONTO—BRIDGMAN AVENUE TRANSFORMER STATION

A third transformer bank, like No. 1 and No. 2 banks, has been installed. It was placed in service on October 27, 1925.

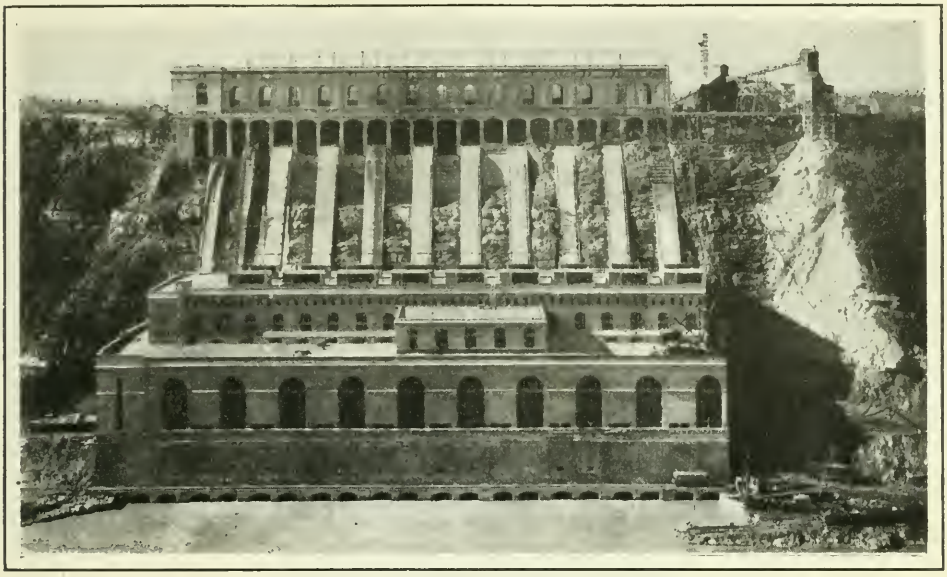
An emergency connection was installed between the low voltage busses in this station and Davenport transformer station on May 29, 1925.

TORONTO—DAVENPORT ROAD TRANSFORMER STATION

The control room was extended and a partition was erected.

TORONTO—STRACHAN AVENUE TRANSFORMER STATION

The 13,200-volt transformer oil circuit-breakers are being replaced by 1,200-ampere breakers and the east bus structure is being rebuilt by the Toronto Hydro-Electric System.



QUEENSTON POWER HOUSE
General view opposite No. 5 unit from the United States side of river

Experimental work has been carried out on totalizing meter equipment which will totalize the load on the four Toronto stations—Strachan avenue, Wiltshire avenue, Bridgman avenue and Davenport road.

The grounds surrounding the station were re-graded and seeded and shrubs planted.

TORONTO—WILTSHIRE AVENUE TRANSFORMER STATION

A third bank of transformers, exactly like No. 1 and No. 2 banks, was tested, installed and placed in service on April 25, 1925.

East York Municipal Station

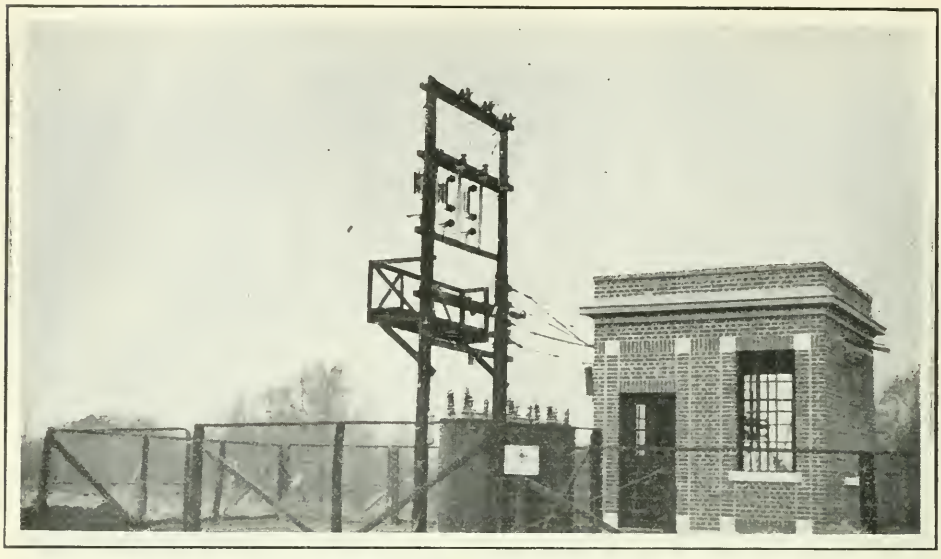
At the request of East York township, a street lighting feeder-panel was installed in its station and was placed in service on July 13, 1925.

Keswick Distributing Station

Three 15-kv-a., 2,200/110-220-volt, single-phase transformers with switching equipment were installed on May 28, 1925, to boost the voltage on the 4,000-volt feeder.

LONDON TRANSFORMER STATION

A 110,000-volt flat-top oil circuit-breaker was replaced by an improved dome type unit. Improvements were made on the lightning-arresters and brick barrier-walls were built around the 110,000-volt breakers.



BROUGHDALE DISTRIBUTING STATION

Broughdale Distributing Station

This station, referred to in the 1924 Annual Report, was placed in service on November 30, 1924.

Exeter Distributing Station

The three 100-kv-a. transformers were replaced by three 150-kv-a. units and the ventilation of the station was improved. The new equipment was placed in service on July 5, 1925, and the original transformers transferred to St. Jacobs distributing station.

Glendale Rural Distributing Station

The capacity of this station was increased by replacing the 150-kv-a., 3-phase transformer with three 150-kv-a., single-phase units. A brick meter house was erected to house the 4,000-volt feeder equipment. The new equipment was placed in service on August 9, 1925.

GUELPH TRANSFORMER STATION

Brick barrier-walls have been built around the 110,000-volt oil circuit-breakers.

Cheltenham Distributing Station

The above station was replaced and service given on June 8, 1925. The original building was utilized and three 75-kv-a. transformers with the necessary switching and metering equipment for one 550-volt feeder installed.

Elora Distributing Station

The three 75-kv-a. transformers at this station are being replaced by three 150-kv-a. units and a new 4,000-volt feeder is being installed.

PRESTON TRANSFORMER STATION

An emergency bus, and improved relay protection on four 13,200-volt feeders were installed and placed in service on October 11, 1925. Barrier-walls were built around the 110,000-volt oil circuit-breakers.

KITCHENER TRANSFORMER STATION

The work mentioned in the 1924 Annual Report is under way. This includes the installation of two 110,000-volt oil circuit-breakers, one oxide-film lightning arrester, thirteen 13,200-volt oil circuit-breakers, eleven new slate panels, a new battery and three 75-kv-a., single-phase service transformers transferred from Dundas transformer station.

Alterations are also being made on the building, a fifty-ton travelling crane and transfer truck and two centrifugal pumps were installed. A cooling pond and spray equipment were constructed.

A plot of ground 100 feet by 272 feet at the west side of the station was purchased on March 1, 1925, and fenced.

Elmira Distributing Station

The three 250-kv-a. transformers mentioned in the 1924 Annual Report were placed in service on November 30, 1924.

Palmerston Distributing Station

The transformer capacity at this station was increased as outlined in the 1924 Annual Report and the bank placed in service on December 14, 1925.

St. Jacobs Distributing Station

The 150-kv-a., three-phase transformer is being replaced by three 100-kv-a., single-phase units released from Exeter distributing station and converted to outdoor-type. Graphic meters are being installed in the 4,000-volt feeders. The 150-kv-a. unit will be used at Mitchell rural power distributing station.

WOODSTOCK TRANSFORMER STATION

Brick barrier-walls were built around the 110,000-volt oil circuit-breakers.

Norwich Distributing Station

The low-voltage side of this station is being changed from 2,300 to 4,000 volts and an oil circuit-breaker installed on the present rural feeder.

ST. THOMAS TRANSFORMER STATION

A steel structure with concrete footings was erected about fifty feet south of the station to support two outdoor, 110,000-volt breakers and other necessary switching equipment for rearranging the 110,000-volt line connections to the station and connecting in a new line to St. Clair transformer station.

A new battery will be installed and the breakers made electrically operated.

Various changes and additions have been made in the 13,200-volt switching equipment.

Brick barrier-walls have been constructed around the 110,000-volt breakers.

Aylmer Distributing Station

The capacity of this station was increased by the installation of three 250-kv-a., single-phase transformers replacing the bank of three 75-kv-a. units. Larger current-transformers and an oil circuit-breaker were also installed. The equipment was placed in service on June 3, 1925. A spare feeder was also placed in service to feed Springfield and the rural district.

West Lorne Distributing Station

Three 150-kv-a., single-phase transformers were installed September 1, 1925, replacing the original three 75-kv-a. units which were transferred into reserve equipment. Improvements were also made in the ventilation of the station.

BRANT TRANSFORMER STATION

Ayr Distributing Station

The capacity of this station was increased by replacing the three 75-kv-a. transformers with three 150-kv-a. units. The new bank was placed in service on April 19, 1925, and the original transformers were sent to Cheltenham distributing station.

Port Dover Distributing Station

Plans are being made for a pole-type station comprising one 300-kv-a., 3-phase transformer and one 4,000-volt feeder to supply this district.

Wolverton Milling Company Distributing Station

The electrical equipment in this station was dismantled on June 23, 1925.

COOKSVILLE TRANSFORMER STATION

Brick barrier-walls have been built around the 110,000-volt oil circuit-breakers.

KENT TRANSFORMER STATION

Some improvements were made on the 110,000-volt equipment at this station and brick barrier-walls erected around the high-voltage arresters and breakers.

Alvinston Distributing Station

A new pole-type station comprising one 150-kv-a. transformer and one 4,000-volt feeder is being erected.

Bothwell Distributing Station

A second bank of three 75-kv-a. transformers transferred from Palmerston distributing station was placed in service at this station on March 24, 1925. This bank was installed outdoors to feed the Glencoe, Newbury and Wardsville load.

Sarnia Municipal Station

This station was completed and placed in service in January, 1925.

ESSEX TRANSFORMER STATION

Essex Distributing Station

A new pole-type station is being erected at a more suitable location. The present station will be dismantled and the 150-kv-a., three-phase transformer transferred into reserve equipment. The new station will comprise three 150-kv-a., single-phase transformers at present in reserve and two 4,000-volt feeders.

Ford Converter Station

A converter station is being erected at Ford to supply power to the Essex division of the Hydro-Electric Railways. A 550-kv-a. transformer has already been purchased while the converter will be purchased shortly and the station should be in service the latter part of the year.

Sandwich Distributing Station

This station, referred to in the 1924 Annual Report, was completed and placed in service on February 13, 1925. A second transformer of 1,500-kv-a. capacity was purchased and placed in service on June 24, 1925.

Sandwich Rural Distributing Station

A new pole-type station was erected adjacent to Essex transformer station to supply power to Sandwich rural district. The station, comprising three 150-kv-a. transformers and one 4,000-volt feeder, was placed in service on March 9, 1925. The feeder equipment and meter panel is in Essex transformer station.

Windsor Converter Station

The 500-kw. synchronous-converter unit referred to in the 1924 Annual Report was installed and placed in service on June 8, 1925. The second unit which will be a 1,000-kw. converter and 1,100-kv-a. transformer was ordered from the Canadian Westinghouse Company on October 17, 1925, together with the switching and metering equipment.

Windsor Municipal Station

Engineering assistance was given for the purchase and installation of two 5,000-kv-a. transformers and additional feeder equipment. The first unit was placed in service on February 1, 1925, while the remainder of the work should be completed early next year.

YORK TRANSFORMER STATION

Another 13,200-volt feeder equipment is being installed.

Kleinburg Distributing Station

A pole-type station is being erected, comprising three 150-kv-a., single-phase transformers and one 4,000-volt feeder.

Long Branch Distributing Station

A pole-type station comprising three 250-kv-a., single-phase transformers and a meter house with equipment for two 4,000-volt feeders was erected and placed in service on September 22, 1925.

New Toronto Distributing Station

This station was previously known as Etobicoke distributing station. Work is under way for the removal of the 4,000-volt bus and the 1,500-kv-a., 3-phase transformer feeding it, the installation of a fourth 1,500-kv-a. transformer on the 2,300-volt bus, the installation of a new 13,200-volt oil circuit-breaker on a new incoming line, the replacing of the present battery by a new battery and improvements in the relay protection. The station site will also be improved.

Weston Municipal Station

Engineering assistance was given the town of Weston in the purchase of three 300-kv-a., single-phase transformers. The Commission installed these transformers, together with the necessary switching equipment which was placed in service on August 26, 1925.

ST. CLAIR TRANSFORMER STATION

The construction of this station, which was outlined in the 1924 Annual Report, is well under way and should be completed in December.

PORT COLBORNE TRANSFORMER STATION

The Commission purchased the necessary land on the first concession of Humberstone township as a site for this station. A 12,000-volt outdoor steel switching structure is being erected for two incoming and four outgoing circuits. Only the equipment for the Port Colborne distributing station feeder is being installed at present.

Port Colborne Distributing Station

An outdoor steel switching structure with transformer base and a brick control building is being erected adjacent to the transformer station. All the switching equipment and a 1,500-kv-a. transformer are ordered and the station should be in service in December.

THOROLD TRANSFORMER STATION

As it was necessary to abandon the submarine cable in the Welland canal and feed Thorold, St. Catharines and Grimsby from this station, five 13,200-volt oil circuit-breakers were installed on the five feeders used for this purpose.

GEORGIAN BAY SYSTEM

SEVERN DIVISION

BIG CHUTE GENERATING STATION

Two frame four-room houses are being erected for the station operators.

Beeton Distributing Station

The 75-kv-a., 3-phase transformer was replaced by a 150-kv-a. unit and the current-transformers, fuses, etc., were changed. The new equipment was placed in service on November 4, 1924.

WAUBAUSHENE AUTO-TRANSFORMER STATION

An outdoor pole-type auto-transformer station was erected and a 3,000-kv-a. auto-transformer with the necessary switching equipment was installed, and placed in service on September 20, 1925. Power from South Falls generating station will be transmitted to Waubaushene at 38,000 volts and stepped down through the auto-transformer to 22,000 volts.

A second auto-transformer is now on order.

EUGENIA DIVISION

Owen Sound Distributing Station

The capacity of this station is being increased by the addition of a bank of three 500-kv-a. transformers. The relay protection is being improved.

WASDELLS DIVISION

WASDELLS FALLS GENERATING STATION

A 2,300-volt feeder and metering equipment was installed at this station on September 9, 1925, to furnish power to Washago.

MUSKOKA DIVISION

HANNA CHUTE GENERATING STATION

As a further source of power for the Georgian Bay system, authorization was given on January 21, 1925, to develop the power site at Hanna Chute, situated approximately one half mile up stream from South Falls generating station.

The situation of this site lends itself to remote control from the South Falls plant, and plans and specifications are being prepared along these lines.

The installation will comprise one unit and will feed at 6,600-volts on to the South Falls low-voltage bus.

The building will be 40 feet by 27 feet by 33 feet high, of steel-frame construction, with red brick walls.

The generator is a 1,400-kv-a., 6,600-volt, 60-cycle, 225-r.p.m., vertical unit, and was ordered from the Swedish General Electric Company. The switching and supervisory equipment has all been ordered and most of it has been delivered.

SOUTH FALLS GENERATING STATION

This station, which was described in the 1924 Annual Report, has been completed. The first unit was placed in service January 22, 1925, and the second unit on July 26, 1925.

Another bank of three 1,200-kv-a. transformers with necessary switching equipment was purchased.

Gravenhurst Distributing Station

The new station referred to in the 1924 Annual Report was completed and placed in service on March 26, 1925.

ST. LAWRENCE SYSTEM

CORNWALL TRANSFORMER STATION

Prescott Distributing Station

The rural feeder was equipped with suitable current transformers and meters for supplying power to the town of Prescott. The rural district now obtains its power through the town station.

RIDEAU SYSTEM

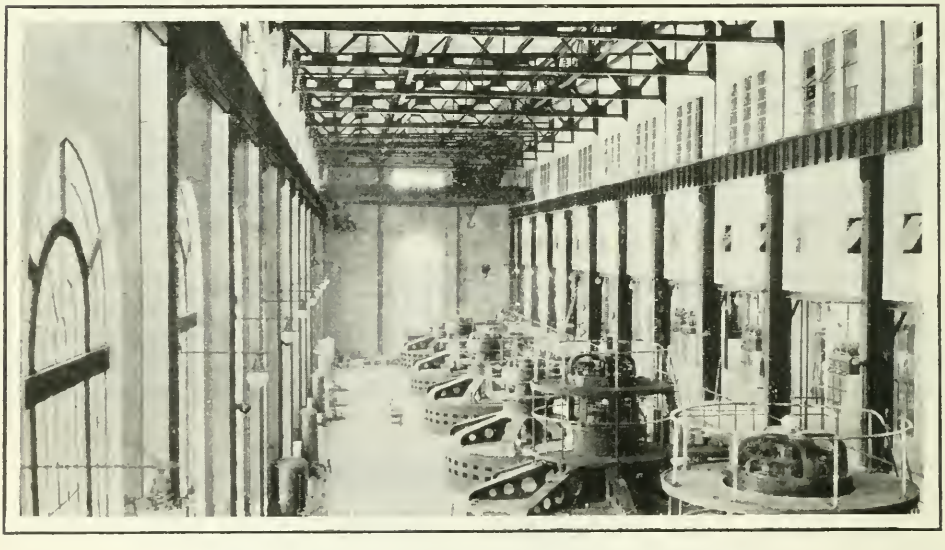
CARLETON PLACE GENERATING STATION

Two power-factor indicators and a d.c. voltmeter were installed.

HIGH FALLS GENERATING STATION

Ammeters were installed in the station service feeder.

THUNDER BAY SYSTEM

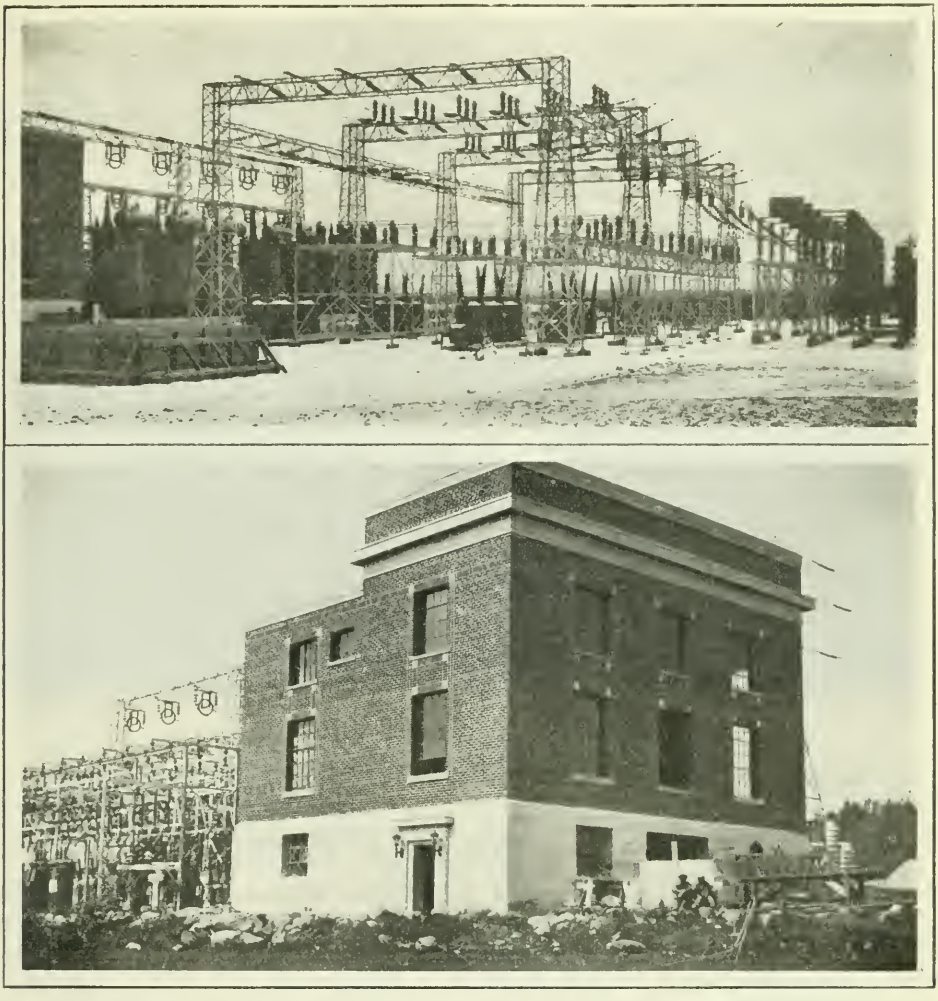


CAMERON FALLS GENERATING STATION—NIPIGON RIVER
Showing six units installed

NIPIGON GENERATING STATION

The extension to this station for No. 5 and No. 6 units is nearing completion and both generators should be in service by the end of the year.

The club house was completed in January, 1925.



PORT ARTHUR TRANSFORMER STATION

PORT ARTHUR TRANSFORMER STATION

The outdoor station described in the 1924 Annual Report was completed and the last of the equipment placed in service on August 2, 1925, the temporary station being dismantled.

Two six-room brick houses were constructed and a portion of the control building was made into an apartment for the operating staff.

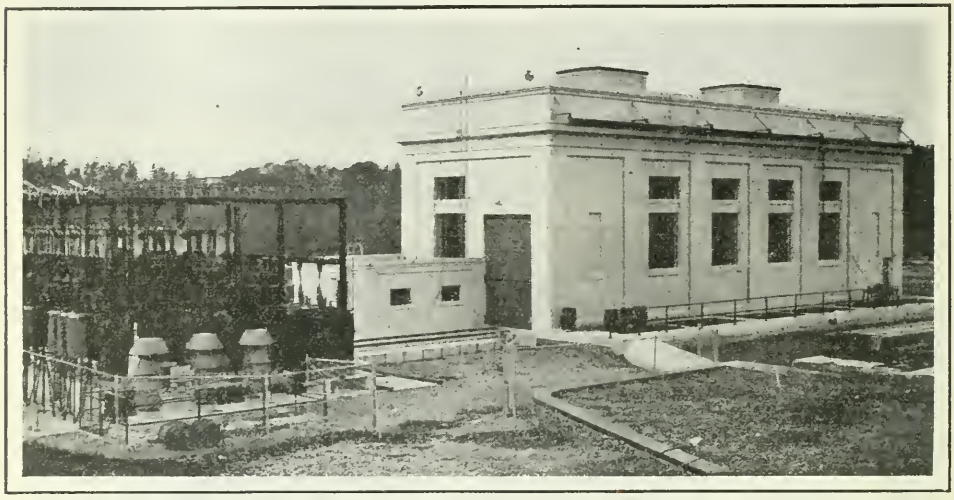
CENTRAL ONTARIO AND TRENT SYSTEM

DAM No. 8 GENERATING STATION

This station, which was fully described in previous reports, has been completed. Certain rearrangements of automatic and supervisory equipment and connections thereto have been made during the year to improve their operation.

The remote control panels for this and Dam No. 9 generating station have been rearranged to accommodate changes which were required in the remote meter scheme to give more reliable service.

The site has been cleaned up and a chain-link fence erected around the outdoor structure. A stable, garage and shed were erected near the site of the operator's cottage.



DAM NO. 9 GENERATING STATION
Including outdoor transformer and switching station

DAM No. 9 GENERATING STATION

This station was fully described in previous reports. The first unit was placed in service on March 3, the second on March 6, and the third on March 29, 1925. The work is now complete and the station site cleaned up and graded with a chain-link fence erected around the outdoor structure. The operator's house has been completed.

It has been necessary, in order to improve the operation of the automatic and supervisory control equipment, to carry out a series of tests on their performance both at this and Dam No. 8 generating station. This has given valuable data as to the probable future use of such control.

RANNEY FALLS GENERATING STATION

The voltage regulators mentioned in the 1924 Annual Report were placed in service. The third 44,000-volt circuit was connected into the station on July 19, 1925. The relay protection was improved. Thermo-couples were installed in the upper and lower guide bearings of the two generators.

Belleville Distributing Station

A 750-kv-a., 3-phase, 21,420-6,600/4,150-2,400-volt transformer was transferred from the Peterboro substation and placed in service on May 16, 1925, replacing the three 100-kv-a. single-phase units on the Corbyville feeder.

Belleville Service Building

The Bank of Montreal building at the corner of Victoria Avenue and Pinnacle Street was purchased and improved for use as an office and service building. The building was occupied on August 1, 1925. A new dispatcher's telephone exchange board is being installed, connecting to the system lines at the Belleville switching station.

Canadian Industrial Alcohol Co. Station

This station comprises the equipment on the Corbyville feeder in Belleville distributing station and the recently installed 750-kv.a. transformer. This station was established on October 12, 1925.

Lakefield Engineering and Construction Co. Metering

This station was equipped with the necessary instruments and instrument-transformers to measure the power supplied to the Engineering and Construction Company near Lakefield. A tap was taken from the 6,600-volt line between Auburn generating station and Lakefield and the station placed in service September 23, 1925.

Napanee Distributing Station

The 300-kv.a., 44,000/2,400-volt, 3-phase transformer released from Dam No. 9 construction station was installed as a third bank in this station on October 18, 1925.

Oshawa Distributing Station

The 3,000-kv-a. transformer referred to in the 1924 Annual Report was installed, the high-voltage equipment was re-located and protection improved, the low-voltage oil circuit-breakers were converted from switchboard to remote hand operation, an emergency bus was installed, four new feeders were added, and the lightning-arresters were re-located. The work was completed on October 1, 1925.

SIDNEY TRANSFORMER STATION

Additional protective equipment was installed on the transformer low-voltage and outgoing feeders.

A fourth high-voltage feeder was installed. The bus was extended through the west wall and the equipment installed outdoors.

NIPISSING SYSTEM

BINGHAM CHUTE GENERATING STATION

Improvements are being made to the operators' houses. These will include water supply and sewage disposal systems.

NORTH BAY TRANSFORMER STATION

The capacity of this station was increased by the installation of a 750-kv-a., 3-phase transformer and the necessary switching and metering equipment. Changes were also made in the building to accommodate the new equipment which was placed in service on July 13, 1925.

SECTION VI

TRANSMISSION SYSTEMS

NIAGARA SYSTEM

Additions and alterations were made in the steel-tower lines and the circuits which they support, so as to distribute economically to points of use the total output of the new Queenston station.

A double-circuit 110,000-volt steel-tower line was completed from York station to Howard Park Avenue, Toronto, where it intersects the old double-circuit steel-tower line. From this junction point to Strachan Avenue station, a new steel-tower line has been constructed. It was put into operation on October 30, 1925. This section from Howard Park avenue to Strachan avenue is exceptional, in that four circuits are carried on one line of steel towers. Steel reinforced-aluminum conductor, having 605,000 circular mil cross-section of aluminum, was used on all the new work from York station to Strachan Avenue station. On account of the proximity of the trunk line railways to this new construction, it was thought advisable to use some type of weather-resisting material as a substitute for the galvanized steel ground conductor which is usually installed at the top of steel towers. Upon investigation, it was decided to use copper-clad steel strand for this purpose.

A double-circuit, 110,000-volt steel-tower line is being constructed from Queenston to a point known as Pelham Junction, which is near the intersection of the Commission's Niagara Falls–Dundas 110,000-volt lines with the former Toronto Power Company lines. This line will connect up with one of the former Toronto Power Company lines which is being reinsulated with 110,000-volt, pin-type insulators. The conductor is 190,000 c.m. copper, one circuit of which was erected and lying idle for some years. A second circuit was taken down from other parts of the line not used and erected between Pelham Junction and Burlington.

A tie line, utilizing the old Toronto entrance towers, cable and insulators, is being erected between Burlington and Burlington Junction, tieing in the Commission's original line from Dundas to Toronto. These lines when completed will eliminate approximately fourteen miles of transmission between Queenston and Toronto.

An improvement was made in the 110,000-volt lines from St. Thomas to Essex by removing all of the double insulation at dead-end points. Single strings were installed, thereby reducing substantially the cost of insulator maintenance.

Considerable improvements were made in the important railway crossings of the 90,000-volt lines which are being incorporated into the Niagara system The insulation was renewed and revised so as to conform to the standard practice of the Commission.

TRANSMISSION LINES—NIAGARA SYSTEM

High-tension transmission lines entering Toronto. View shows new, 4-circuit towers adjacent to Sunnyside Beach. The concrete bases for the old tower line can be seen in the middle foreground

TRANSMISSION LINES—NIAGARA SYSTEM

Special base supporting new 4-circuit towers carrying 110,000-volt transmission lines entering Toronto

A small amount of fencing was done on the former Toronto Power Company right-of-way between Stoney Creek and Pelham Junction.

A short section of line, which is more or less temporary, was built with 110,000-volt clearances from the forebay at the Queenston generating station to a junction with the 60,000-volt lines which served the Niagara, Lockport and Ontario Power Company. This circuit will operate at 60,000 volts. The outgoing 110,000-volt circuits from the Queenston generating station were revised in order to release a circuit for this service.

A 110,000-volt transmission line is being constructed from St. Thomas to St. Clair station at Sarnia. The portion of this line extending from a point near Oil Springs to Sarnia was placed in service during the year at 26,400 volts and supplied power to Sarnia No. 2 station, which is adjacent to the St. Clair station. It is expected that service will be given at 110,000 volts to St. Clair station for this line in December, 1925.

A single-circuit wood-pole line was built from a point in the vicinity of Welland to Port Colborne. This line has 110,000-volt clearances and is being operated temporarily at 30,000 volts.

A line which has been operating at 4,000 volts from Watford distributing station to Alvinston was revised and reconstructed so as to operate at 26,000 volts.

The 13,000-volt circuits between Cooksville and York high-tension stations were revised and extended as follows:

A circuit was extended to the new station at Long Branch and this latter station, together with the Lakeview, Port Credit and New Toronto stations were included in a loop line extending from Cooksville to York, thus giving greater flexibility in operation and improvement to service.

Telephone circuits in the Toronto and Niagara districts were altered. In the Toronto district some of the circuits were removed from the highways, which had become congested, to private right-of-way and the routing of the main incoming lines and traffic to the Administration Building was changed to Davenport rather than through Strachan Avenue station. Service over some of the more important circuits was improved by the replacement of iron conductors with copper, or steel-reinforced aluminum.

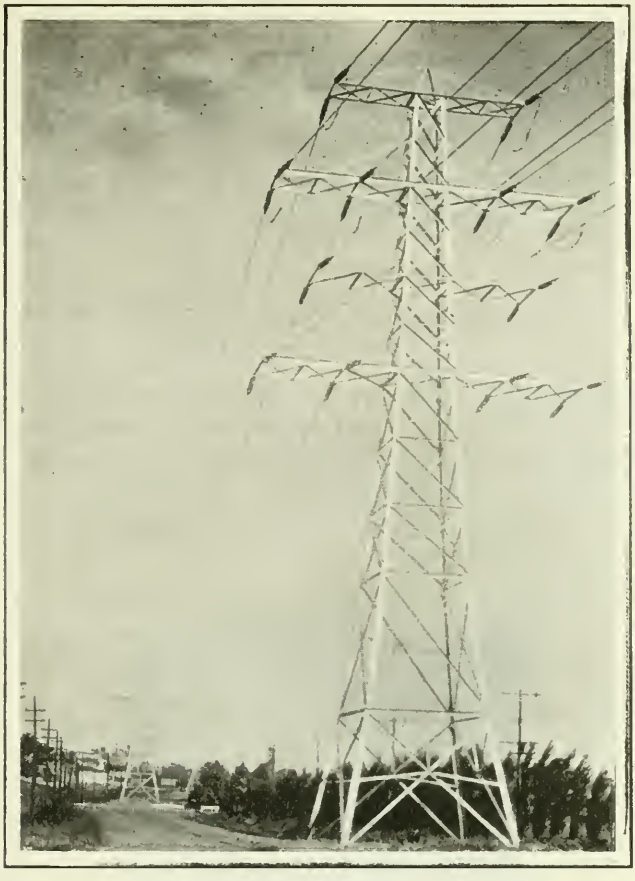
GEORGIAN BAY SYSTEM

A 38,000-volt line was completed and placed in operation between South Falls and Waubaushene. This line is 34 miles long. A tap with suitable switching has been provided for service at this voltage to Gravenhurst.

In the Severn district, a new switching structure was built at Waubaushene so as to provide space and supports for improved air-break switches, since the existing equipment had become inadequate.

At Fergusonvale junction similarly, six new air-break switches were erected and the old structure and switches removed.

The telephone circuits between Eugenia power house and Flesherton Junction were rebuilt so as to give two circuits of steel-reinforced aluminum conductors, together with one circuit of iron wire.



TRANSMISSION LINES—NIAGARA SYSTEM

High-tension transmission lines entering Toronto showing 4-circuit, steel-tower line looking east from Parkside Drive

THUNDER BAY SYSTEM

Alterations were made in the 110,000-volt lines around Bare Point to transfer the load to the new substation. Two new telephone circuits were erected between Bare Point station and Port Arthur and connections made to the circuit extending to the station at the Great Lakes Pulp and Paper Company.

CENTRAL ONTARIO AND TRENT SYSTEM

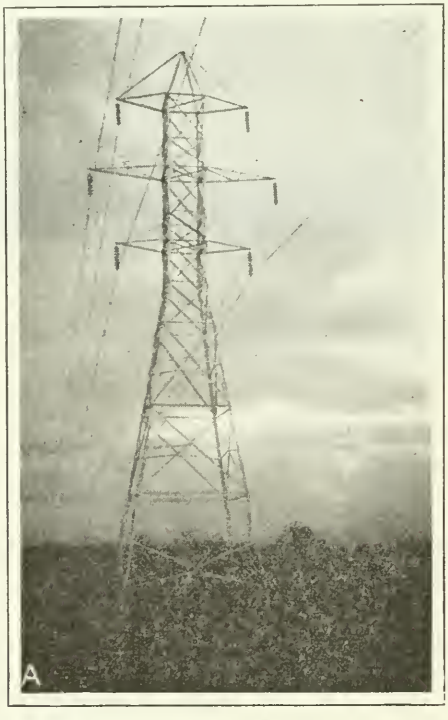
A 44,000-volt tie line was completed between generating stations at Dams Nos. 8, 9 and 10, and this circuit was extended on existing structures southerly to the Sidney station. A control cable was erected between Dams Nos. 8, 9 and 10. This is being used in operating the remote control apparatus in these stations.

On account of the increased traffic and to provide more reliable service, the No. 9 iron telephone circuit from Belleville to Sidney has been replaced by two circuits of No. 6 aluminum cable, steel reinforced. A new telephone circuit was built from the generating station at Dam No. 10 to intersect the existing north and south lines which are located a short distance east of Dam No. 10.

An additional set of 44,000-volt, disconnecting switches was erected at the Belleville switching station and arrangements were made for the incorporation of the right-of-way which was purchased from the Canadian National Railways in the vicinity of Port Hope. A number of fences, culverts, etc., were renewed.

NIPISSING SYSTEM

The lines in the Nipissing system were rearranged and revised so as to eliminate a number of objectionable angles and crossings. This work was carried out co-operatively with the Bell Telephone Company so as to improve both power and communication services in this district.



TRANSMISSION LINES—NIAGARA SYSTEM

Standard double-circuit suspension tower, 1920 type

SECTION VII

THE LABORATORIES

The functions of the Laboratories department, as described in previous reports, are testing and inspection of materials and equipment, and engineering research. This last term describes in a general way the contributions of the department to the solution of problems arising in the design, construction and operation of the systems which require experiment or highly technical treatment.

The staff and equipment are at the service of the municipalities in connection with all problems coming within the scope of these functions.

Special mention is here made of the following items which are referred to in greater detail below:

1. The Illuminating laboratory co-operated with the Illuminating Engineering Society in observing the total eclipse of the sun in January, 1925.

2. A problem in metering involving the recording on one chart of the combined load of several stations remote from one another, was solved by the Meter laboratory in co-operation with other departments and with a local manufacturer.

3. A device developed by the High-Tension laboratory for testing live lines for defective insulators (mentioned in a previous report) has been tried out in the field and adopted by the Operating department.

4. The research work on concrete, previously mentioned, is making satisfactory progress.

5. A considerable amount of testing has been done for parties outside the Commission. This has consisted chiefly of meter calibration, efficiency tests on motors and dielectric tests on insulating materials. The department does not compete with commercial laboratories, but as equipment for many classes of test work is not available elsewhere in this district, its facilities have frequently been made use of.

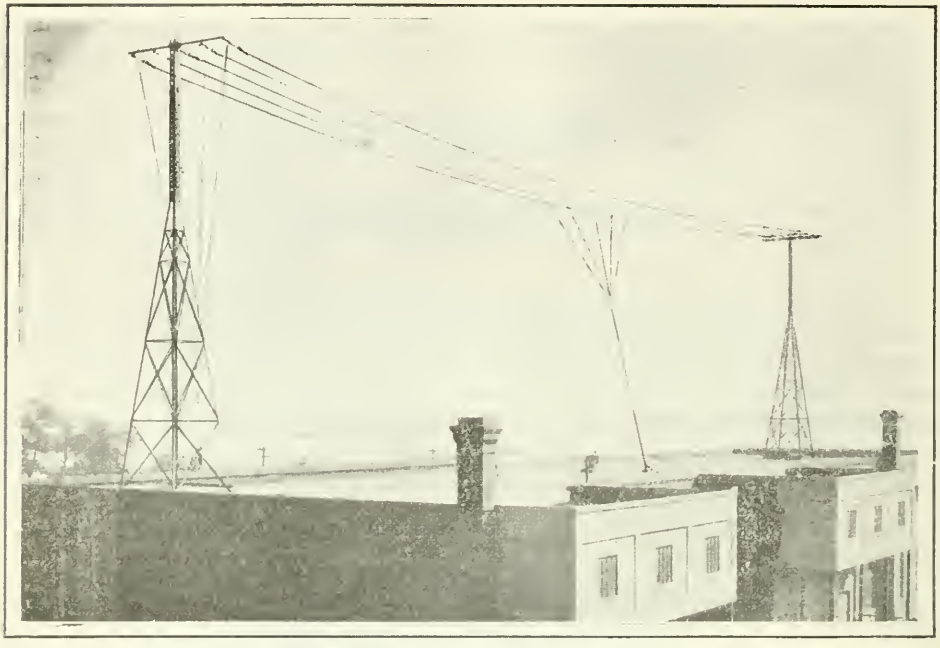
A number of technical papers which have been suggested by the investigational work carried on in the laboratories have been published during the year by various members of the staff. Among these may be mentioned the following:

Fundamental factors in Concrete Quality Control—R. B. Young. *Engineering News-Record*, June 4, 1925, p. 940.

Producing a Concrete of Uniform Quality on the Job: The Factors Fundamental to Success and a Method Based on Six Years Experience—R. B. Young. Presented before the Structural Division of the American Society of Civil Engineers, Montreal, Que. October 15, 1925, and to be published in the Proceedings of the Society.

Application of the Chronograph to the Measurement of Speed of large Generators—P. A. Borden, presented to the Toronto Section of the American Institute of Electrical Engineers, and the Regional Convention held at Niagara Falls, N.Y., May 26 to 28, 1925. (Not yet published.)

Checking a Tuning Fork by Radio—F. K. Dalton, presented before the Toronto Section of the American Institute of Electrical Engineers, and the Regional Convention held at Niagara Falls, N.Y., May 26 to 28, 1925. (Not yet published.)



AERIAL AT TORONTO STATION—STRACHAN AVENUE

High Tension and General Testing Laboratory

Routine Testing

The routine work of this laboratory has followed along the lines indicated in previous reports. This includes the regular testing of transformer oils, rubber gloves for linemen's use and such pieces of equipment as are transferred or repaired, insulators and other materials used in electrical construction, motors, generators, etc.

Equipment

The equipment available is fairly complete for the range of work usually done in the laboratory and additions made are usually of minor magnitude and in most cases of a very special character as dictated by some investigation in progress.

A considerable amount of high-voltage testing by direct current has been done with satisfactory results, not only by the laboratory staff but in the field by engineers of other departments who have become proficient in the use of the equipment which was developed by the laboratory. Further investigation is necessary to determine the relative figures for equivalent a.c. and d.c. test voltages.

Special Problems

Extensive studies including field tests have been made on the subject of induced voltages which give rise to interference in communication circuits.

Field tests have been made also on the potential distribution resulting at station grounds in the case of single-phase short circuits from line to ground when the neutral of a power line is grounded. Hazards to equipment have been pointed out and remedial measures suggested.

The installation and maintenance of guided carrier-wave telephone equipment, also the emergency radio equipment, have been supervised by this laboratory and various problems associated therewith have been investigated and solved.

Commercial Tests

The facilities of the laboratory have frequently been made use of by manufacturers and individuals confronted by special problems requiring tests or investigation.

Approval Laboratory

The total number of applications filed was 401, of which 125 were merely for listing of devices already approved by Underwriters Laboratories. Of the remainder, 241 were for regular approval test and report, 15 for special report on individual installations and 10 for limited label service for electric signs. As in other years, considerably more than half of these applications were received from new submittors. Regular approval reports to the number of 187 were issued and 237 white card summaries printed. Green cards numbering 167 were printed in accordance with the applications for listing. The net gain in number of cards now included in the approval record is small due to cancellations of cards for various reasons. The record now consists of 1,158 cards, 543 being white card summaries.

Of the devices and materials submitted for approval or listing, the largest group consisted of heating appliances, the next largest of wiring devices, with portable lamps, motor-operated appliances, current-interrupting devices and radio appliances following in order.

Portable Lamps

Applications were received during the year from 63 manufacturers of portable lamps about one-third of which were U.S. firms. The rule requiring 660-watt sockets on all lighting devices is now thoroughly understood by the trade in general and is being complied with. During the year the specifications for portables were amended to permit the use of flexible cord (type PO or "parallel") having 1/64" rubber insulation, provided such cord is approved by Underwriters' Laboratories.

Meter and Standards Laboratory

The Meter and Standards laboratory has continued to function much as reported in previous years, the only change, if any, lying in somewhat increased activity on the technical side of problems of measurement, some of which are discussed in a later paragraph. Very few additions to equipment have been found necessary, and such as have been made are mostly the product of the department's own instrument shop. Following are a few notes on the salient features of the year's work in this laboratory:

Standard and Portable Instruments

Among standards of measurement it may be said that "No news is good news"; and the absence of notable features may be taken as a criterion of satisfactory performance. The Commission's standards of accuracy are repeatedly compared with other certified standards, and all apparent discrepancies progressively eliminated, so that, to a very high degree of precision, the laboratories are assured of the reliability of their bases of reference.

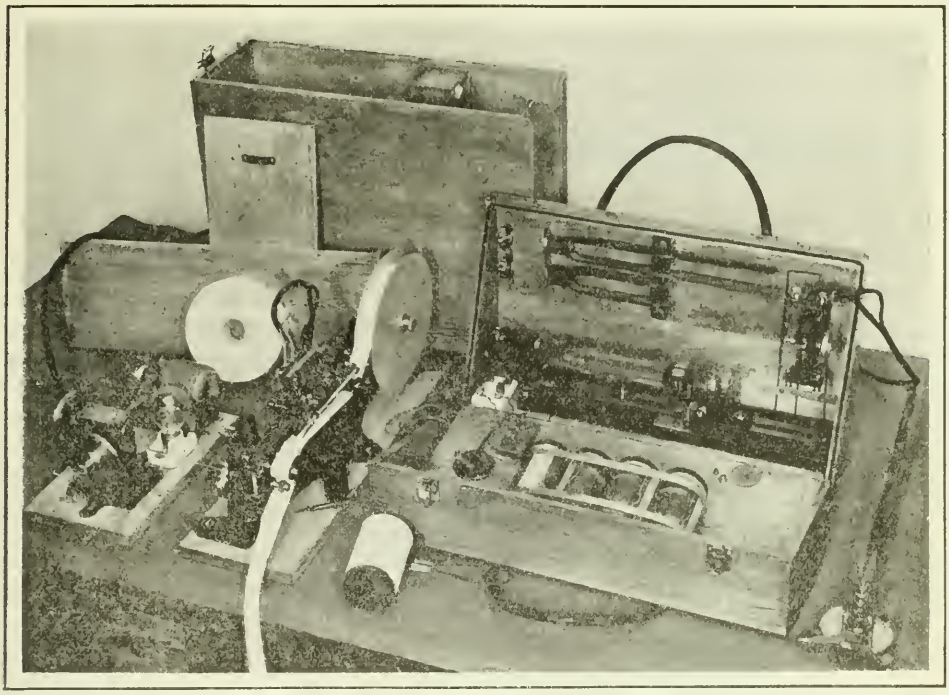
The portable instruments belonging to the laboratories and used on various tests are subject to continual comparison with the standards, the frequency of such checks depending upon the importance of the work in which the instruments are used. Metering equipment in other departments is also brought in and similarly checked as occasion may require, and all such apparatus repaired or maintained, either for the Commission or for its customers, is calibrated before being returned to service.

Watthour and Service Meters

It has sometimes been remarked that, for a utility which for several successive years has held the world's record for kilowatthours of energy distributed, the metering requirements are taken care of by a very small department of the Laboratories. In this connection, however, it must be borne in mind that the Commission functions primarily as a wholesaler of electrical power, disposing of its output to a comparatively small number of relatively large customers, and to these principally upon a basis of demand, rather than consumption. The all-important elements, therefore, in metering the power sold by the Hydro-Electric Power Commission are the graphic meter, the demand meter and other devices by which maximum demands may be determined. While the laboratories play their part in the development and selection of suitable equipment for this work, another department of the Commission is entrusted with its maintenance and operation. The bulk, therefore, of the meters passing through the laboratories in ordinary routine is made up of those belonging to the smaller municipalities which do not maintain their own meter departments, and to the Commission's own rural power districts, through which energy is retailed to otherwise unorganized groups of small power users.

The duties of the meter repair laboratory, therefore, while not on a relatively large scale, are rather broad, and include principally three types of watthour meter work, viz.: meters repaired and returned to original owners, meters taken in from service, overhauled and placed in Stores, and meters from the Commission's or from manufacturer's stock, passing through the laboratories for test and sealing by the inspectors of the Dominion Government. In addition to this work, it has been made possible to an even greater degree than heretofore to co-operate with the Stores department in the selection and adaptation of meters from stock for special installations which from time to time develop in the distributing systems. A small number of graphic and demand meters have passed through the Meter repair laboratory in the year; but in general it may be said that the maintenance of instruments of this class comes among the duties of the Operating department.

One new type of watthour meter, of European manufacture, has been submitted to acceptance tests; and some studies were made of current limiters for use in conjunction with meters on small residential and commercial loads.



METER AND STANDARDS LABORATORY
Portable Chronograph and Tuning Fork Outfit for speed measurement

Field Tests

As the services of the High-Tension and General Electrical Testing laboratory are called for to a continually increasing extent for field tests in power houses, distributing stations and on lines, it follows that the co-operation of the Meter laboratory becomes of broadening importance; and, besides supplying suitable metering equipment for such tests, it frequently becomes desirable for special work, that engineers from this laboratory participate in the tests. This is particularly important where use is being made of the oscillograph in power house work, or where new methods of measurement are being tried out on special problems.

A particularly interesting case of this nature arose in connection with a study of the performance of hydro-electric units under conditions of automatic control, where the several elements of the process of starting up and coming on the line occur with such rapidity as to preclude the use of indicating instruments for many of the observations. By connecting oscillograph vibrators into the circuits of the units under test it was possible to obtain permanent records of the operating phenomena, as a basis for a complete analysis of the performance of the machines under a wide variety of conditions. Detailed reference may be made to a type of film taken on this test, where the one vibrator was made to record three quantities simultaneously. The element was energized from a battery, through a slide wire rheostat directly connected to the gate-operating mechanism, so that the deflection of the spot was a measure of the

gate-opening. This circuit, being passed through a contact on the shaft of the generator, was interrupted twice per revolution, thus furnishing on the same vibrator a count of the number of revolutions made by the unit. And finally, upon this was superimposed a ripple derived from an electrically maintained tuning fork, operating at fifty vibrations per second, so that from the one element of the instrument was obtained a record of standard time, gate opening, and acceleration of the machine.

New Developments

In the Seventeenth Annual Report, brief reference is made to two new developments which this laboratory had under way at the time of compilation. It is of interest to note that both of these have come to fruition, and that one of them has been adopted as standard practice in the Commission's testing work. In the testing of rotating machinery the correct determination of accelerations has always presented a problem, which seriously interfered with accurate results when speed changes were a factor in the investigation. This laboratory has developed in a portable form a combination of an electrically-controlled tuning fork, a "phonic wheel" and a chronograph, which, when combined with a simple form of contacting device on the shaft of the unit under test, enables records to be obtained, from which may be derived with great accuracy a complete story of all speed values while the test is under way. This apparatus has already proved of great value in studies of the performance of hydro-electric machinery.

The other development which was referred to was a system of totalizing a number of power loads fed into a network at a number of separated points and recording the summation upon one graphic instrument. Continuous experimentation has been carried out upon this system in co-operation with a manufacturer, and the apparatus, as development proceeded, has been submitted to tests in the laboratory. The results have been most encouraging, and a trial installation is now in service. Orders have been placed for a complete system to totalize one large urban load.

Instrument Shop

This department of the laboratory has found it possible to devote much more of its time to productive work than heretofore. The insulator testing device developed by the High-Tension laboratory has shown such satisfactory performance that a number of these were built and placed in the hands of the Operating department for regular service in the field. A large number of specimens has been prepared for the different types of tests carried out by the Engineering Materials laboratory. Other special devices developed in the laboratories and constructed in this shop include the following: Apparatus for measuring the surface area of sand, Instrument for testing eccentricity of lamps, Oil-bath, with automatic temperature control for sludging tests, Capillary pore determinator for concrete tests.

Photometric Laboratory

Lamp Tests

Since the chief activity of this section of the laboratory, that of inspecting and testing lamps, is of a routine nature and carried on from year to year, there is little to report that has not been included in previous reports.

An inspector has been stationed at the place of manufacture to maintain supervision of lamps being manufactured in order to insure compliance with

the Commission's specifications. During the year inspection and rating tests have been made on approximately 20,000 lamps and over 1,800 lamps were tested for life performance at the laboratory.

Commercial Tests

It has been found necessary to discontinue making life tests of lamps for parties outside the Commission as the entire capacity of the life test apparatus is required for Hydro lamps.

Light distribution and efficiency tests were made on a new line of show window lighting reflectors placed upon the market by a local manufacturer.

Automobile Lighting

The importance of the automobile headlighting problem is still commanding for it considerable attention. In this connection the illumination section of the laboratory has been in a position to co-operate with the Department of Public Highways in demonstrating to highway patrol officers the methods of adjusting headlighting equipment. The effects of correct adjustments were shown and any degree of faulty adjustment could be instantly produced at will and the effects noted. In this way officers were informed as to what constitutes good headlighting, how to recognize it and how to correct faulty adjustment.

The number of glare reducing devices on the market has been gradually but steadily decreasing until at the present time a comparatively few of unquestioned merit have survived and are in general use. Consequently a small number of devices are submitted for test each succeeding year, although two devices of somewhat radical design were tested during the past year.

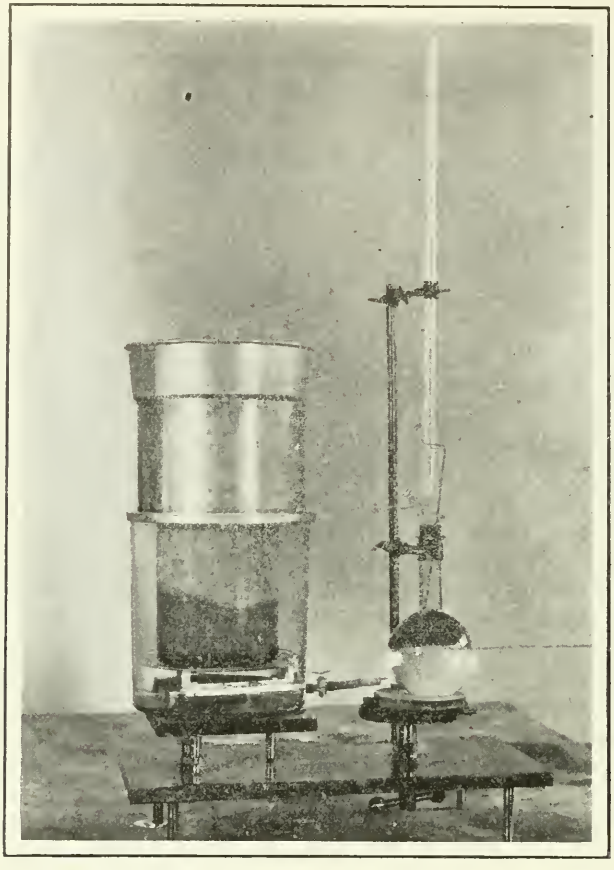
A test of an unusual nature was made on a prismatic glass reflecting device submitted as a substitute for oil lamps on horse drawn vehicles. Its action depended upon the light from automobile headlamps being reflected by the device back to the driver of the automobile so that he would become aware of the presence of the vehicle carrying the device. The results indicated that with proper location on the vehicle it would constitute a reasonably satisfactory substitute for an oil lamp. A red glass was submitted as a tail light and a clear crystal one as a front light.

The test of this device involved photometric tests of the device itself and of an oil lamp, determinations of comparative visibility with the oil lamp and a trial under actual driving conditions on a suburban road.

A test was made to determine the possibility of adapting a hand lamp for the use of marine divers. The best of a number of vaporproof hand lamps were tested, special means being taken to render them watertight. It was found that under city water pressure they were not truly watertight and that lamps for the purpose would have to be specially designed for underwater use.

Total Eclipse of the Sun, January, 1925

In January the illumination section of the laboratory rendered valuable service in the interests of science in facilitating the preparatory work for the measurement of natural light during the solar eclipse on January 24. An expedition was organized in Toronto under the auspices of the Illuminating Engineering Society to co-operate with eight others in different locations for a systematic programme of measurements of three phases of daylight during this phenomenon. The calibration, modifications and adjustments of all thephotometric equipment were carried out at the laboratory. Two of the laboratory staff were included in the personel of the expedition.



ENGINEERING MATERIALS LABORATORY
Apparatus for determining porosity of concrete

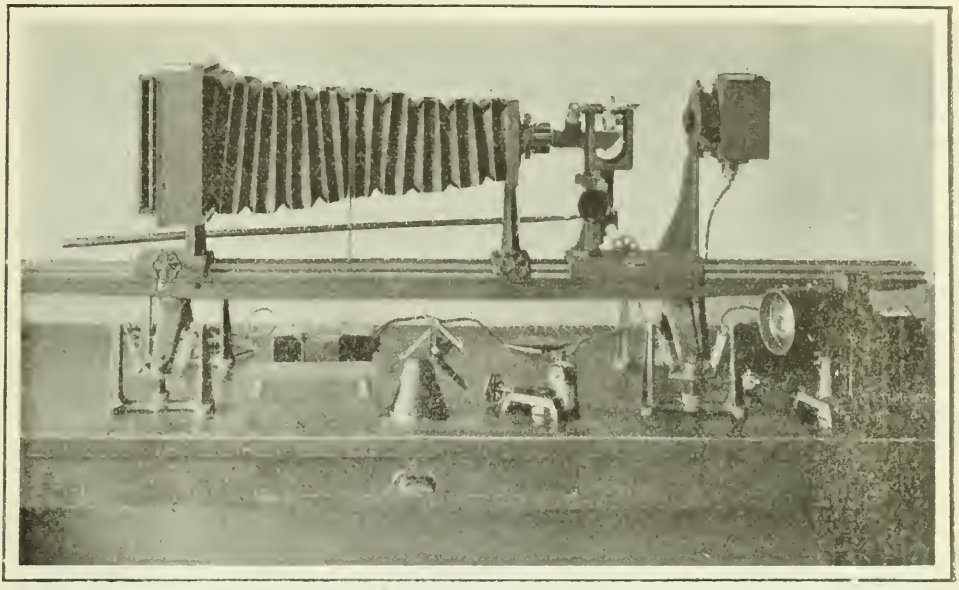
Engineering Materials Laboratory

The work this year has differed from that of other years principally in the matter of research. Important investigations are in progress in the fields of both steel and concrete and these will continue through the coming year.

Steel

The investigations on steel are in connection with specifications for large castings and forgings such as are used in electrical and hydraulic machinery. These large castings and forgings present problems not met with in those of smaller size and the rules by which the latter can be judged are not sufficient for determining the suitability of the former and this is particularly true of steel castings.

Specifications to supplement those now in use are necessary. Experience has already shown the points which need to be covered by such specifications and preliminary investigations have suggested possible solutions. On this basis tentative specifications have been drawn up and a research begun by which it is hoped to supplement the large amount of data already collected from castings and forgings in service so that the needed specifications can be written with confidence.



ENGINEERING MATERIALS LABORATORY
Metallurgical microscope with photographic accessories

Concrete

Research work on concrete has been particularly active. Several problems are being studied such as surface treatments, and the effect on control of the quality of concrete of such factors as variations in cement and aggregate, errors in measurement of materials, etc. The most important problems, however, are the matter of resistance of cement to frost action and other weathering agents and the economic design of concrete mixtures, and the bulk of the work done in the past year has been on these.

In connection with the first, some 600 mortar specimens varying in proportions from 1:2 to 1:7 by weight were given different destructive treatments such as alternate heating and cooling, alternate wetting and drying and alternate freezing and thawing. The freezing tests were carried to 600 alternations and have just been completed. Similar freezing tests are also being carried out on concrete but this part of the work is only beginning.

Some attention is being given to discovering whether a relation exists between the capillary porosity of a concrete and its resistance to weathering. An apparatus for measuring both volume of capillary pore space and rate of absorption is being developed and in its present form is shown in the accompanying figure (page 106).

Substantial progress has also been made in connection with the second major investigation on concrete, that of the economic design of mixtures. A preliminary study of existing data was completed in the spring. The first group of tests comprising about 2,500 concrete specimens was begun during the summer and some 1,500 of these have been made to date. The data obtained give promise of being very valuable not only in this study but in connection with a number of other problems which will be taken up later.

Advantage was taken of the dismantling of the old transmission line entering Toronto along the shore of Lake Ontario, to study the effects of weather upon galvanized steel and concrete and to gather information in regard to the performance of transmission line hardware. Some valuable information was obtained from this inspection.

Equipment

A modern metallurgical microscope has been added to the laboratory equipment during the past year, replacing an older type found to be inadequate to present needs. This microscope is equipped with a photographic outfit especially adapted to metallurgical work. As noted in previous reports, the microscope is being used extensively for examination of ferrous and non-ferrous materials purchased by the Commission. Its use for such purposes is practically essential. In addition to this, it is proving most helpful in research work in metallurgical lines as well as for the examination of many other materials which the Commission uses.

Chemical Laboratory

The Chemical Laboratory has had an active year but in general the character of the work has been the same as already described in previous reports. During the year specifications have been prepared for lubricating oils, creosote oils and for several classes of structural paints. It has also assisted the Engineering Materials laboratory in studies in connection with steel and concrete. But probably the most interesting work done has been a research into the sludging and reconditioning of transformer oils.

Transformer Oils

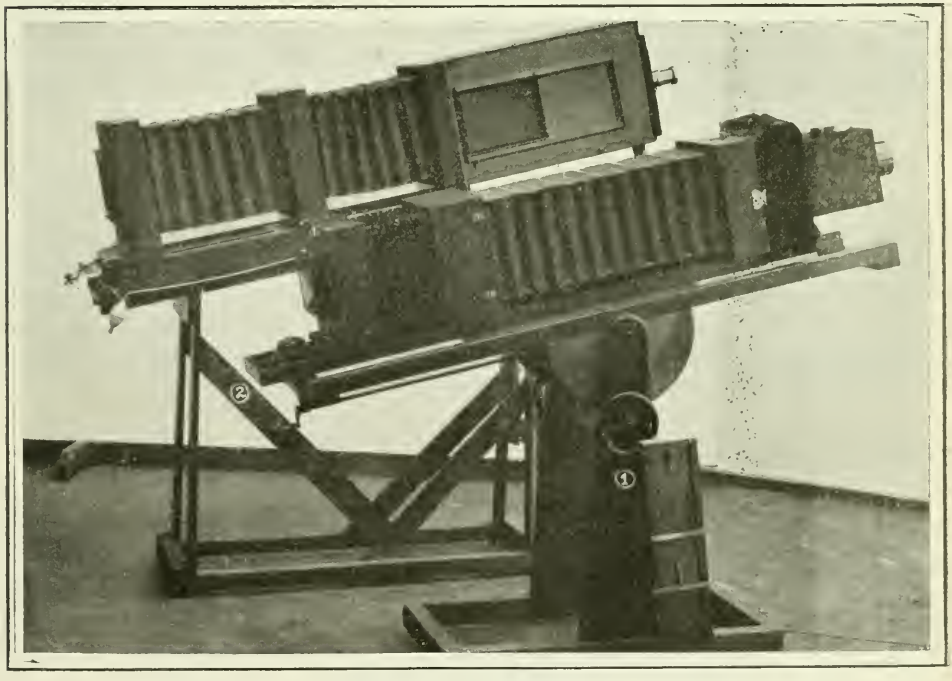
Early in the year considerable study was given to the methods used by different authorities for sludging oils and as a result, an apparatus modelled after the Brown-Boveri but using glass containers instead of copper, was built and is now being experimented with. It consists essentially of a number of 1,000 cc. glass graduates set in an oil bath and provided with automatic temperature control by which a uniform temperature can be continuously maintained within 1° C. The investigation has not proceeded sufficiently far to comment on the results obtained other than to say they are promising.

Another phase of this investigation on transformer oils is on the reconditioning of oils which have been in service. It is important to know when an oil is reaching a point when ordinary filtering will not maintain it in suitable condition and whether that oil can be reconditioned by any means short of again refining it.

Photographic Branch

The work in this branch is of a routine nature (making copies from all manner of originals, enlarging, lantern slides, etc.). The taking of progress photographs at Queenston generating station has been continued. Progress photographs were also taken of the rebuilding of the tower line from Sunnyside to Toronto station. This included a six-section panorama. Photos were also taken of the immense ice jam in the Niagara river last December and were of special interest to several of the departments. Another very interesting undertaking was the taking of photographs of the Solar Eclipse on January 24. Unfortunately the sky was obscured during the period of totality but several photographs were taken later showing partial eclipse. For this work two cameras were set up on the roof of the laboratory.

PHOTOGRAPHIC BRANCH
Photograph of the sun, January 24, 1925, after totality



PHOTOGRAPHIC BRANCH
Cameras used in taking photographs of the eclipse, January 24, 1925

ELECTRICAL INSPECTION

The Ontario department of Electrical Inspection was formed to supervise the carrying out of the Rules and Regulations governing electrical installations in the province of Ontario. It functions for the Province under the direction of the Hydro-Electric Power Commission. The inspectorial staff is appointed by the Commission by virtue of powers vested in the Commission by Section 37 of the Power Commission Act. The Province is divided into thirty-two inspection districts.

The object of the Rules and Regulations is to provide a *minimum* standard for electrical installation and material, the proper observance of which will eliminate, as far as is practicable and reasonable, risk of injury to persons and property.

The Rules and Regulations have reference only to potentials of from 10 to 5,000 volts inclusive, used for any purpose except wired telegraphs and telephones, signalling systems and car wiring, and govern all electrical work, apparatus, fittings, material, etc., installed or used in, on or over any building, structure or premises, except in the case of such electrical central stations, together with their transmission and distribution systems as are specially designed, built and used for the purpose of general public supply. No rules for potentials in excess of 5,000 volts are included in the Rules and Regulations; these are dealt with according to the requirements in each individual case.

In connection with its various activities the Inspection department keeps in close touch with the Testing and Approval laboratory of the Commission. This co-operation is essential, for it is plain that no installation work could be considered good or safe, however well the work might be carried out, if the apparatus, devices and material made use of, were of poor design or quality.

The Year's Operations

As compared with the previous fiscal year, ending October 31, 1924, there has been a general increase in the work of the Inspection department. The revenue showed an increase of 7.7. per cent. The total number of permits issued was 98,419, an increase of 8.6 per cent. over last year. A total of 173,148 inspections were made in the course of the year's work, a decrease of 1.7 per cent. from last year. In making these inspections, the inspectors travelled a total of 365,820 miles, or an average of 2.1 miles per inspection.

Defective Installations

In connection with its inspection work recommendations are made by the department in the case of installations which do not comply with the standards required in the interests of general public safety. The public, as a whole, recognizes the value of the recommendations made and has shown a willingness to co-operate by making the necessary changes and re-wiring defective installations. During the past year, the department has been successful in having 4,696 obsolete and defective installations brought up to standard during the year at an estimated cost of $280,000.

Electric Homes

The Electric Service League mentioned in the Sixteenth Annual Report has continued to do useful work in connection with efforts to secure a high standard of wiring for domestic service. It is gratifying to learn that, since this organization entered upon its campaign of "Red Seal" installations for residential work, it has succeeded in having 850 homes wired to comply with its standard specifications in respect to a complete, convenient installation of ample capacity. In addition to this, the League has been successful in having a further 1,200 houses wired in such a way as to be of a high standard although not quite reaching that set forth in the "Red Seal" specifications.

Fires and Accidents

The number of fires and accidents which have occurred annually in Ontario through defective wiring is altogether insignificant. This may better be appreciated when it is known that there are more than 400,000 consumers of electrical energy in Ontario, and that only eleven fires were reported as being attributable to defective wiring. Even these fires are not all definitely known to have had an electrical origin, but may have been so classified because the condition of the electrical installation after the fire was such that the blaze might have been caused by its defect.

There were two fatal accidents from electric shock reported during the year, one in the St. Catharines district and one near Chatham.

In connection with accidents to persons due to their coming in contact with live wires and receiving what appears to be a fatal shock, it is very desirable that efforts at resuscitation be continued for a long time—four hours or even more is not too long. Two or three cases have been reported recently where continued efforts on the part of friends have resulted in reviving consciousness after the doctor had pronounced the patient dead.

Radio Equipment

The seventh edition of the Rules and Regulations contains a very complete set of rules governing the installation of radio apparatus. These rules, if followed carefully, will tend to reduce the life and fire hazard to a minimum.

SECTION VIII

ELECTRIC RAILWAYS

ESSEX DISTRICT RAILWAYS

Way and Structures

Further rehabilitation of interurban lines was proceeded with by installing 3,300 treated ties with tie plates, and placing two miles of crushed stone ballast in Ojibway. The processes of tie renewing and ballasting on interurban lines are now in normal cycle.

Light rail on curves in Ojibway was replaced by 80-lb., A.S.C.E.-section rail. The revision to alignment, and the relocation of tracks at Sunnyside, referred to in previous report, were completed.

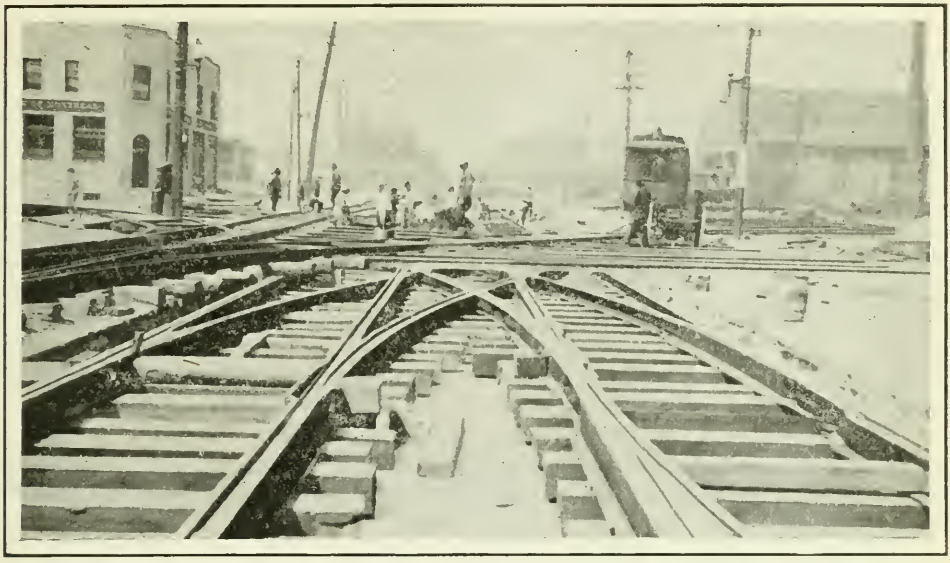
The county of Essex made application to the Board of Railway Commissioners for Canada for the reconstruction of the wooden bridge over-crossing the M.C.R. on the Front or River road, Anderdon township. Under the terms of the old order pertaining to this structure, the electric railway bore the cost of strengthening the bridge for railway loading and 50 per cent of the annual maintenance charges. On December 30, 1924, Order No. 35,950 was issued directing the M.C.R. to prepare plans for a new bridge, the cost of which is to be charged 40 per cent to the M.C.R., 35 per cent to the county of Essex, and 25 per cent to the electric railway. Plans have been approved and construction will be commenced at an early date.

In Windsor, on London street opposite the car barn, the single track extending from Elm street to the M.C.R. bridge was replaced by double track, and a complete new layout was installed for the entrance to the barn and storage tracks. The work included a "Y" on London street at Elm street, a cross-over, two turnouts into the car barn and a turnout into Wellington street. The changes effected on London street, together with the new loop installed at the rear of the paint shop, have greatly improved operating conditions.

On London street, from Ouellette avenue to the west city limits of Windsor, steel tubular poles for lighting and overhead construction were installed, arrangements being made with Windsor for joint ownership.

In Walkerville, on Wyandotte street a double track was constructed from Kildare road to Walker road, and a loop was constructed at the latter point, as outlined in the 1924 report.

On Sandwich street from Victoria avenue, Walkerville, to Strabane avenue, Ford City, the track was reconstructed, and through Ford City was relocated in the centre of the street. The construction throughout was 80-lb., A.S.C.E.-section rail 60 feet long, laid on twin steel ties imbedded in concrete with trap rock concrete wearing surface. At Montreuil avenue the C.N.R. three-track diamond was replaced by a single diamond and a new C.N.R. diamond authorized by Board Order was inserted near Belle Isle avenue.



ESSEX DISTRICT RAILWAYS

Track re-construction at the car barns on London Street, Windsor, June 12, 1925.

ESSEX DISTRICT RAILWAYS

Double track construction on Wyandotte Street, Walkerville, near Kildare Road, looking east

The single track on Ottawa street, Walkerville, was completely replaced by a double track from the east city limits of Windsor to Monmouth road, and a single track east to Walker road, south on Walker road to Seminole street—with passing siding south of the E.T. Rly.—and east on Seminole street to St. Luke road, all in paved construction, with 80-lb., A.S.C.E.-section rail 60 feet long laid on twin steel ties imbedded in concrete with trap rock concrete wearing surface. On Seminole street east from St. Luke road to George street, Ford, and south on George street to Tecumseh road, single track was constructed of 80-lb., A.S.C.E.-section rail, 60 feet long laid on cedar ties, and with tie plates and surfaced on crushed stone ballast in a double-track reservation provided therefor. The overhead system on Seminole street is carried on wooden poles, with an attachment to Bell Telephone Company poles on the south side of the street. This line has opened up and provided a means of transportation for a large area in south Ford.

The single track on Walker road, Walkerville, from Wyandotte street to Ottawa street, was abandoned and replaced on Monmouth road by double track. The single track on Devonshire road, Walkerville, extending from Wyandotte street to the P.M.R. depot was reconstructed.

Steel tubular poles for street lighting and the overhead construction of the electric railway were installed on Ottawa street, Walkerville, from the city limits of Windsor to Walker road, and on Monmouth road from Wyandotte street to Ottawa street. On poles situated on Ottawa street, Walkerville owns a one-half interest, and on those situated on Monmouth road a one-half interest in alternate poles only.

A feeder to improve line voltage was constructed on George street from Ford substation north to Ottawa street and east to Wolfe's siding.

Equipment

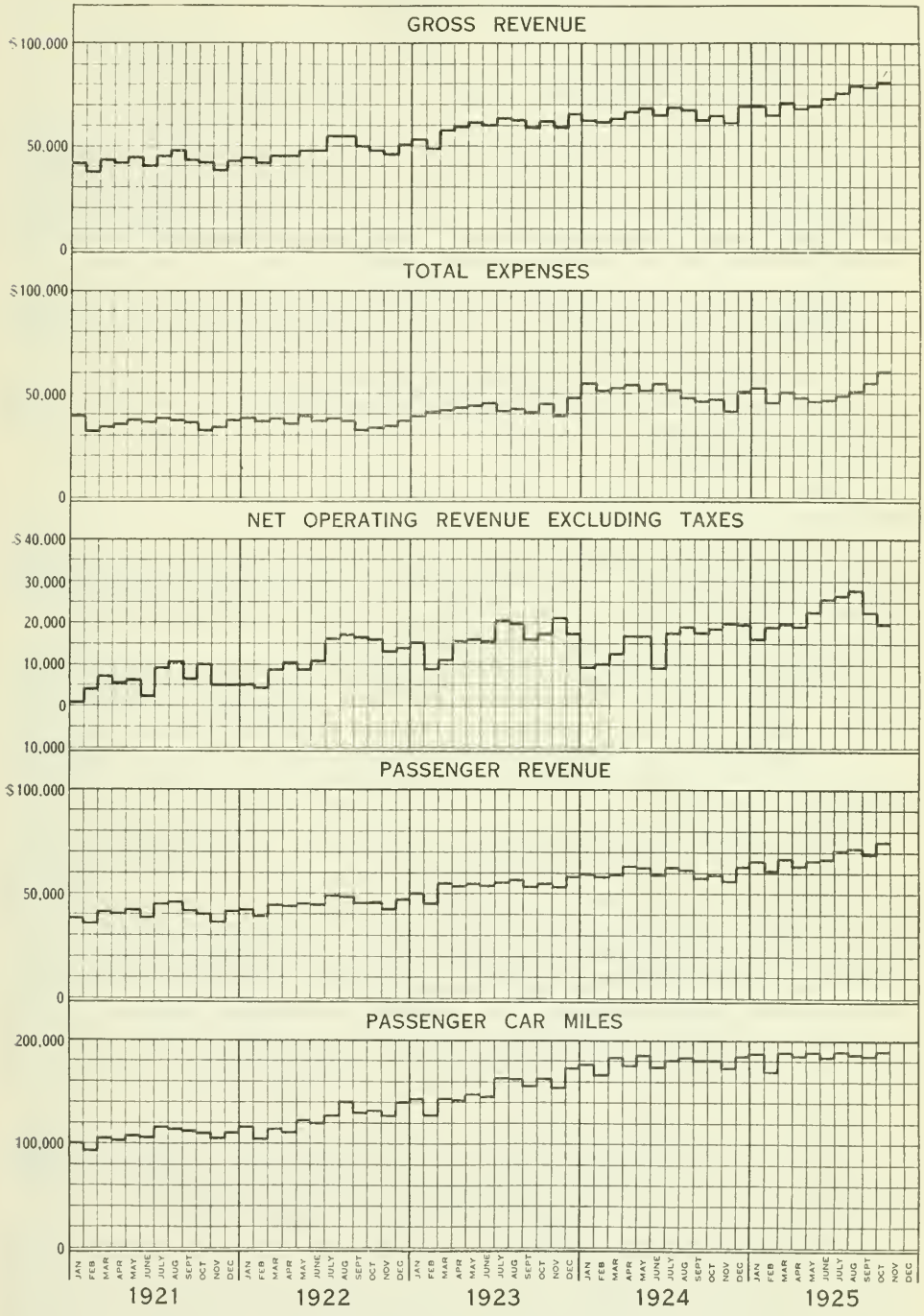
In the Salt Block power plant a new feeder panel was installed to take care of an additional feeder, which was run to the Ferry Loop district. This relieves the load on the other feeder, and under rush hour conditions results in better power to the cars in this section.

A temporary power station was erected on McDougall avenue near Erie, and a 500 kw. machine was placed in service at that point in January, 1925, pending the construction during 1926 of a permanent power station on this site. The new power station will be equipped with three 1,000 k.w. machines, one unit of which is on order. The erection of this permanent building will permit both the railway and the Windsor Hydro system to discontinue the use of the old Salt Block plant. The Salt Company, on account of its intention to discontinue the use of this plant, has allowed the steam generating units to deteriorate, and in consequence, it was impossible for the Commission to secure from this plant a satisfactory continuity of service. It is expected that this plant will be closed during the summer of 1926.

A site for the Ford City substation was selected at the corner of Seminole street and George street, and a temporary building to house a 500-k.w. rotary converter is now being erected. The operation of this station should result in a great improvement in voltage through Ford, Walkerville, Riverside and Tecumseh. The new Seminole route will also be supplied from this station, which is expected to be ready for operation early in 1926.

The two new interurban cars for the Amherstburg division, mentioned as being under construction during the preceding year, were delivered and placed

ESSEX DISTRICT RAILWAYS—OPERATING STATISTICS



NOTES: 1919—May and July, strikes. December, power interruption.
1921—Fare increased from 6 for 25 cents to 5 cents straight, effective July 1.
1922—Fare increased to 6 cents cash, 20 tickets for $1.

in service in January. This equipment is much more comfortable and convenient than the old, and the cars are geared for much higher speeds. The equipment is modern in every respect and should result in an increase in patronage. Provision was made in last year's programme for a third car of this same type and delivery is expected early in 1926. The traffic on the city lines commenced to increase very rapidly towards the close of the summer and orders were at once entered for three additional four-hundred-type cars. These will be similar to the last lot of cars placed in service, excepting that treadle exit doors will be provided. Two of the three-hundred-type cars have been remodelled with treadle exits and have given such satisfactory results that next year's programme will make provision for installing these automatic exit doors on the remaining cars of this same general type.

Traffic during the fall has continued to increase to a greater extent than was anticipated at the beginning of the year and it has been deemed expedient to obtain information respecting used cars of modern design with a view to securing early delivery of some additional equipment to relieve the overcrowding that is now prevalent on various routes. In any event provision will be made in next year's programme for the supply of twenty double-truck cars for delivery during the year 1926.

Operation

The Commission is pleased to report a continued increase in revenue for the Essex District Railways. It will be noted in the accompanying graphs that the revenue continues to show a very satisfactory increase, and that the operating expenses per car-mile have again decreased slightly.

The gross revenue for the year 1925 was $860,303, as compared with $774,907 in 1924. The gross revenue was made up as follows: Passenger revenue $798,131, freight revenue $46,425, miscellaneous revenue $15,747. The net operating revenue was $257,418, as compared with $186,249 in the year 1924. The surplus for the year ending October 31, 1925, was $64,435, as compared with $13,980 in 1924.

The number of passengers carried for the year on all lines was 14,810,038, as compared with 13,330,081 for 1924; being an increase of 1,479,957 over the previous year. The number of accidents per 100,000 car-miles was 19.43 as compared with 15.60 in 1924 and 20.59 in 1923. The single-truck hand-brake cars showed 24.47 accidents per 100,000 car-miles. The single-truck one-man safety cars showed 20.81; the double-truck safety cars, 22.93; the trolley bus, 41.80; and the interurban cars, 11.54 accidents per 100,000 car-miles. Out of the total of 456 accidents, 319 were automobile, 18 were pedestrians hurt by cars, 19 were derailments, 24 were boarding and alighting accidents and 25 were miscellaneous.

The total car mileage operated by the different types of cars was as follows: Single-truck hand-brake cars 73,547 miles, interurban cars 536,962 miles, one-man safety cars 850,184 miles, double-truck safety cars 675,848 miles, and trolley busses 55,011 miles. The total car mileage was 2,330,725 miles.

The average cost of accidents was 1.25 cents per car-mile. This relatively high cost was due to the fact that in one case where an automobile ran into a street car judgment was given in favour of the plaintiff for $16,000, which amount is over 50 per cent of the total cost of accidents, which amounted to $29,244. On 107 days of the year no accidents occurred.

ESSEX DISTRICT RAILWAYS

Operating Statistics

Route-miles:			
City trolley	17.11		
City trolley busses	2.99		
Amherstburg interburban	13.54		
Tecumseh interurban	6.11		
Total route-miles		39.75	
Passenger cars operated		64	
Passenger and freight car-miles operated		2,252,730	
Operating expenses per car-mile		26.637	cents
Passengers carried		14,810,038	
Transfer passengers carried		1,398,965	
Passengers carried per route-mile—all lines		372,579	
Revenue passengers carried per car-mile:			
City line, 7.3, interurban line, 3.7, busses, 4.0; all lines		6.04	
Passengers carried per car operated—all lines		231,407	
Average mileage per car operated		34,611	
Average revenue per car operated		$12,428	

GUELPH DISTRICT RAILWAYS

Way and Structures

There was no capital expenditure for track construction in Guelph during the year 1925, the regular track maintenance being all that was carried out. The track was thoroughly overhauled and is in very fair condition with the exception of a portion of the track under the Huskinson Street subway, which has never been rehabilitated. It is anticipated that this piece of track will be rebuilt during 1926.

A new siding 1,600 feet long was constructed into the property of the Standard White Lime Company, so as to establish a freight connection thereto with the Canadian Pacific and Canadian National railways by transfer over the tracks of the Commission.

Equipment:

The equipment has been maintained to a satisfactory standard. It is expected that the colour of the cars will be changed from green to red during the year 1926 and that Ohmer fare registers will be installed to provide an additional check on revenue.

Operation:

The quiet industrial conditions that were experienced at Guelph in 1924 have continued throughout the year 1925, the revenue for the year showing a decrease of $1,165. The gross revenue for 1925 was $77,916, as compared with $79,081 for 1924. The cost of operation for 1925 was $64,097, being a decrease of $3,969. The net revenue for the year was $13,820, an increase of $2,804 as compared with the previous year. The taxes amounted to $2,749, an increase of $104 over the previous year, and the interest and instalment on purchase cost amounted to $29,508, being an increase of $204 over 1924. The deficit for the year was $18,437, being less than that of the previous year by $2,495. The operating expense per car mile was 22.015 cents.

The passenger revenue shows a decrease of $2,933 for the year 1925, and freight revenue an increase of $1,654. The freight revenue would have shown a further increase had it not been that the Standard White Lime Plant was destroyed by fire during the summer. The deficit in operation of $18,437 includes $5,880 for the amortization of the original capital of the line, and $1,900 for yearly instalment on pavement that was put down by the city previous to the operation of the line by the Hydro-Electric Power Commission.

In 1920, the last year of the management by the city, the deficit was $16,323, without any provision having been made for interest or sinking-fund payments. The city council in that year also voted $11,043 and made a grant in addition of $3,000, these sums, together with the deficit, making a total for that year of $30,366 as the loss against the railway. The railway in 1920 did not pay any tax to the city, which if paid would have added further to the loss. The taxes this year as given above amounted to the sum of $2,749. In addition to this, the service was very irregular, and the equipment and track in a deplorable condition.

The accidents for the year totalled 14, ten of which were in connection with automobiles. The number of accidents per 100,000 car miles was 4.81 as compared with 13.55 during the previous year. The accidents included three derailments and one pedestrian was hurt by a car. There were 351 days without accidents and the total cost of accidents was $604.

GUELPH DISTRICT RAILWAYS

Operating Statistics

Route-miles	8.49
Track-miles	10.05
Passenger cars operated	8
Passenger car-miles operated	285,431
Passenger car-hours operated	33,094
Revenue passengers carried	1,234,606
Transfer passengers carried	203,687
Free passengers carried	2,303
Total passengers carried	1,439,996
Percentage of transfer passengers to revenue passengers	16.5
Freight motors operated	1
Freight motor-miles operated	5,440
Freight motor-hours operated	1,326
Total passenger and freight service car-miles operated	291,150

TORONTO AND YORK DISTRICT RAILWAYS

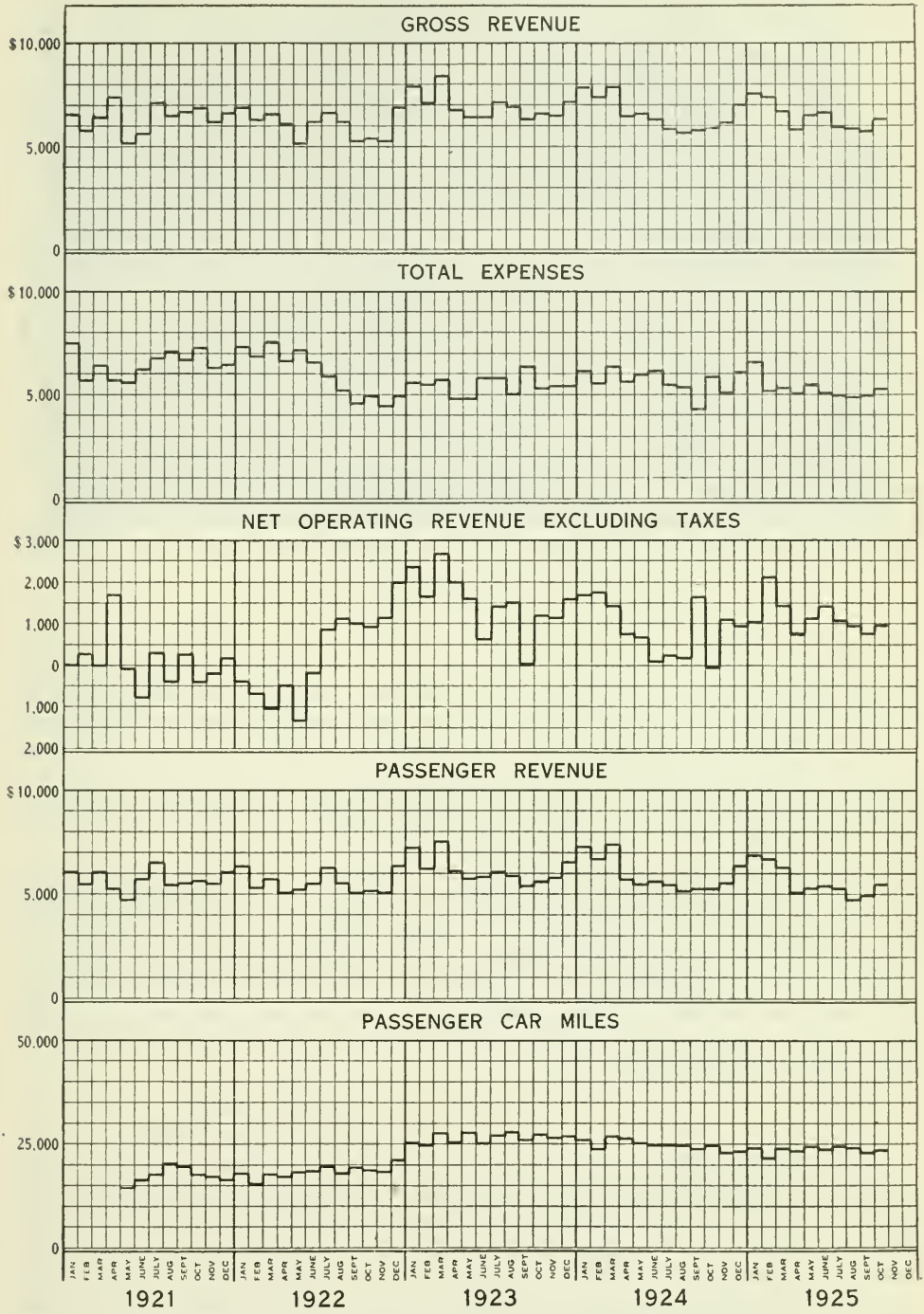
Way and Structures

Metropolitan Division: Approximately 8,000 cubic yards of gravel ballast were placed in the track on Yonge street from the city limits to Mulock's Corners. Other improvements included the replacement of 238 30-ft. poles, 293 45-ft. poles and 8 55-ft. poles, and the reinforcement, by 14-ft. stubs, of 285 poles. Steel girders of all open-deck culverts were painted. New pipe culverts were installed at mileages 24, 38, 28.10, 36.91, and 39.17. Landing platforms were constructed on the side of the track away from the pavement, on Yonge street, from the city limits to Bond Lake. This will free passengers from the menace of vehicular traffic. An electric power hoist was installed in the North Toronto car barns to handle the repair of cars more expeditiously.

At Bond Lake park a number of improvements were made. These included the construction of a mile of gravel pathway, and the erection of three pergolas and a large shelter. A baseball ground, a running path, a concrete wading pool, and a number of other attractions were added to the equipment. An electric pump was installed for water supply, leaving the old drilled wells for drinking and lavatory purposes.

Standard shelters were installed at Orchard Beach and Pugsleys. Keswick station was completely renovated, and put in serviceable condition. Unusually heavy maintenance of all way and structures was performed over the entire division.

GUELPH DISTRICT RAILWAYS—OPERATING STATISTICS



NOTE:—Operation by Hydro-Electric Power Commission commenced on May 1, 1921

TORONTO AND YORK DISTRICT RAILWAYS
Wading pool at Bond Lake Park

Scarboro Division: Property was acquired on Victoria Park avenue and Kingston road and a terminal station was erected thereon. Landing platforms were installed at stops on the side of the track away from the highway pavement, extending from the terminal to the C.N.R. over-crossing. A new steel-girder bridge was built over Skelton road, replacing the timber structure, which had become unsafe for traffic. The track between Stops 10 and 12 was lifted to conform to highway pavement constructed during the year.

Mimico Division: In addition to normal track and overhead maintenance, 145 feet of Etobicoke Creek timber trestle was rebuilt. New bridge ties were installed on Mimico Creek bridge. Pending arrangements for a terminal, a track was laid across the right-of-way at Jane street, and an old car fitted up temporarily for a waiting room. This has materially improved transfer of passengers at this point. The superintendent's office was removed from High Park avenue, and installed, together with that of the despatcher, temporarily at Jane Street terminal in old cars.

Equipment

Metropolitan Division: Tenders were invited from manufacturers for the supply of ten modern, high-speed cars arranged for train operation. Such equipment being geared for sixty miles an hour would permit the run to be made between Toronto and Newmarket in one hour and would also result in a considerable decrease in the cost of operation due to lower maintenance charges and more economic use of crews. The higher speeds and the more comfortable equipment should also attract additional patronage. The tenders received were somewhat more favourable than previous quotations but a decision respecting the ordering of such equipment has been deferred.

Scarboro Division: The five new double-truck cars mentioned in previous reports as being held up waiting for delivery of motors, have been completed and are ready for service as soon as the gauge of the track has been altered. They should result in a considerable increase in patronage at a great saving in operating expenses due to one-man operation with modern equipment. Delivery of trolley contact signals and telephone equipment has been completed but this apparatus will not be installed until a decision has been reached as to changes in gauge, rearrangement of passing sidings and other similar matters.

Mimico Division: Four additional double-truck cars were delivered to this division during the year and four of the old cars were completely overhauled, as mentioned in the report of the preceding year. It is anticipated that a considerable increase in traffic and a decrease in expenses can be secured on this division as soon as double-tracking has been completed.

Operation

The net operating results of the Toronto & York Radial Railways for the year 1925 show a decrease over the year 1924. This is to be expected, inasmuch as the improvements suggested by the Commission have not as yet been authorized.

The discontinuance of the Schomberg line as recommended by the Commission, being held up pending a decision as to the transfer of the operation of these lines to the Toronto Transportation Commission, has been responsible for a portion of the loss, while the continued increase in motor bus operation in competition with the Mimico division has been responsible for the major portion. In addition to these causes for losses in revenue, the inability to make use of one-man cars on the Scarboro and the Mimico divisions, notwithstanding the fact that the equipment is on hand suitable to that type of operation, has prevented the reduction of operating expenses to the extent that could have been secured had these recommended changes been permitted to have been carried out.

A reduction in the cost of operation on the different Divisions for 1924 has, however, been effected, notwithstanding the fact that the Commission did not have the advantage of modern equipment. In 1923, when the Commission took over the lines, there were 81 shopmen on all divisions. This number has been reduced in 1925 to 43. A further reduction could be made, of course, with modern equipment. In 1923, the cost of maintenance of equipment with the Toronto & York Radials was $103,949. In 1925 this has been reduced to $81,279, notwithstanding the fact that the car mileage has increased at the rate of approximately 50,000 car-miles per year. In 1923 the old Company used 112 sets of armature coils, while in 1925 the number required had been reduced to 22, eight of which were for machines burnt out in 1924. The same ratio applies on field coils. As the result of changing the system of operating and despatching on the Metropolitan Division, the number of daily train orders was reduced from approximately 800 a day to 40.

Metropolitan Division: The passenger revenue on the Metropolitan Division for the fiscal year 1925 was $354,142, as compared with $345,897 for the year 1924 and $348,451 in 1923, showing an increase of $8,245 over 1924, with every indication of further increase during the coming year. The freight revenue for 1925 was $106,950, a decrease of $8,136 over 1924. This decrease was caused by less gravel, cement and road material being used at points tributary to our line. The gross revenue for the Metropolitan Division for the year 1925 was $486,935.

The operating expenses for 1925 were $489,931, a decrease of $27,133 from 1924 and $45,675 less than in 1923. This decrease was secured notwithstanding the fact that an unusually large amount of renewals was charged to operation.

Scarboro Division: On the Scarboro Division the new equipment has been ready for operation for some time, but has been held up pending decision as to whether the operation of these lines would be transferred to the Toronto Transportation Commission. The total revenue on the Scarboro Division for 1925 was $84,715, as compared with $87,056 in 1924, a decrease of $2,341. Operating expenses for 1925 were $95,876 as compared with $101,080 for 1924, a decrease of $5,204.

Mimico Division: On the Mimico Division no operating changes were effected for the same reasons as mentioned in case of the Scarboro and Metropolitan divisions. The revenue continues to show a decrease on account of the competition of increased numbers of motor busses. The busses running in competition with the Mimico Division are now carrying their passengers through to the centre of the city of Toronto without transfer, and, as a result, both the Mimico division and the Toronto Transportation system are losing the revenue for the passengers which the bus companies carry.

The gross revenue on the Mimico division was $156,606, as compared with $177,061 in 1924, a decrease of $20,455. The operating expenses were $189,169 as compared with $191,426 in 1924, a decrease of $2,257. During the year $17,342 was set aside in connection with the Toronto & York Radials system towards pension and insurance for the employees.

TORONTO AND YORK RADIAL RAILWAYS

Operating Statistics, 1925

Revenue and Operating Expense

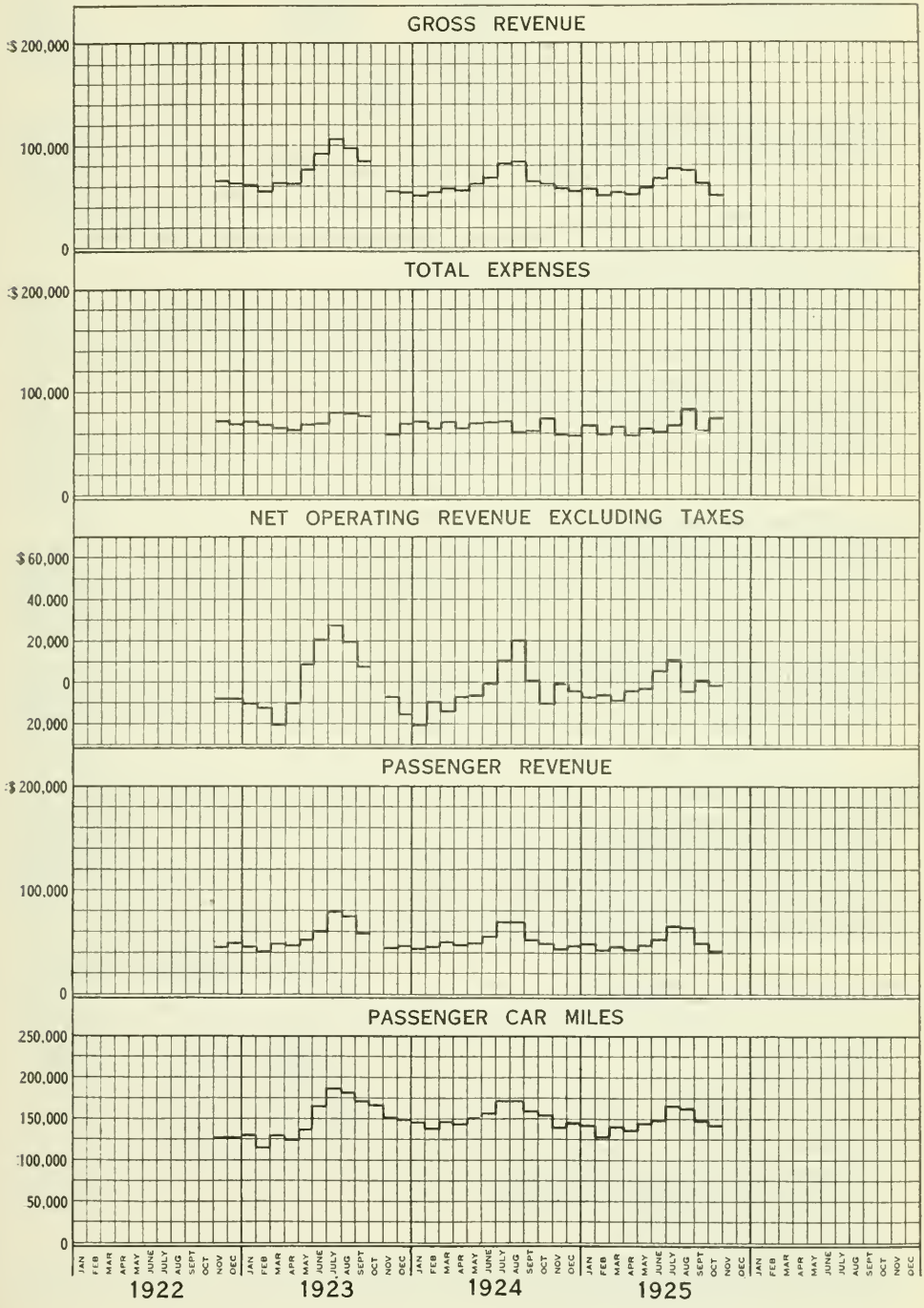
Metropolitan Division	1925	1924	Increase in 1925	Decrease in 1925
Passenger revenue	$354,142.10	$345,897.32	$8,244.78	.....
Freight revenue	106,949.69	115,085.94	.....	8,136.25
Operating expenses—total	489,931.29	517,064.66	.....	**27,133.37**
Way and structures	96,334.64	101,965.92	.....	5,631.28
Equipment	55,843.71	65,717.12	.....	9,873.41
Power	100,846.40	104,435.90	.....	3,589.50
Transportation	149,380.07	155,872.98	.....	6,492.91
General and miscellaneous	87,526.47	89,072.74	.....	1,546.27
Scarboro Division				
Passenger revenue	82,485.60	84,724.25	.....	2,238.65
Miscellaneous revenue	2,229.20	2,332.16	.....	102.96
Gross revenue	84,714.80	87,056.41	.....	2,341.61
Operating expense	95,875.75	101,080.02	.....	5.204.56
Mimico Division				
Passenger revenue	155,158.79	176,178.37	.....	21,019.58
Miscellaneous revenue	1,447.29	882.47	564.82	.....
Gross revenue	156,606.08	177,060.84	.....	20,454.76
Operating expense	189,169.19	191,426.29	.....	2,257.10

Route-miles—1925

Metropolitan and Schomberg and Aurora Division	62.98
Scarboro division	8.34
Mimico division	8.62
Total route-miles	79.94

TORONTO AND YORK DISTRICT RAILWAYS

OPERATING STATISTICS



Passengers carried

	1925	1924	Increase in 1925	Decrease in 1925
Metropolitan and Schomberg and Aurora division	1,786,262	1,752,797	33,465	.....
Scarboro division	1,246,489	1,274,969	.....	28,480
Mimico division	2,856,064	3,218,375	.....	362,311
Special cars	23,448	24,819	.....	1,371
	5,912,263	6,270,960	.....	358,697

Passenger car-miles operated

Metropolitan and Schomberg and Aurora division	807,759
Scarboro division	323,212
Mimico division	613,852
All divisions	1,744,825

Passengers carried per car-mile

Metropolitan and Schomberg and Aurora division	2.2
Scarboro division	3.8
Mimico division	4.6
All divisions	3.4

Psssengers carried per route-mile

Metropolitan and Schomberg and Aurora division	28,362
Scarboro division	149,458
Mimico division	331,341
All divisions	73,958

Average mileage per car operated

Metropolitan and Schomberg and Aurora division	36,716
Scarboro division	46,173
Mimico division	38,365
All divisions	38,774

Average passengers per car operated

Metropolitan and Schomberg and Aurora division	81,194
Scarboro division	178,070
Mimico division	178,504
All divisions	131,384

Freight tonnage carried

Total freight	59,177 tons
Freight tonnage per car-mile	0.669 tons
Freight revenue per car-mile	$1.18
Freight revenue per route-mile	$1,661.91
Freight revenue per ton	1.76

Average number of employees 312

Accidents—fiscal year 1924-1925	Car miles operated	Number of accidents	Accidents per 100,000 car-miles
Metropolitan division	929,638	89	9.57
Mimico division	614.480	74	10.20
Scarboro division	325,142	34	10.42
Total—all divisions	1,869,260	197	9.43

Collisions of cars—6.
Passengers hurt boarding and alighting from cars—36.
Vehicles struck, not including autos—13.
Automobiles struck—76.
Pedestrians hurt by cars—9.
Passengers hurt while on cars—11.
Miscellaneous accidents—23.
Personal injuries all degrees—passengers, 44, others 32.
Fatal accidents—passengers, 0, others 4.

SECTION IX

FINANCIAL STATEMENTS

EXPLANATORY STATEMENT RESPECTING THE ACCOUNTS

The Hydro-Electric Power Commission of Ontario believes that a satisfactory understanding of the manner in which the various operations of the Commission are financed will contribute greatly to the interest of those engaged either directly or indirectly with the work of the Commission.

In this section of its Annual Report the Commission presents detailed financial statements which may easily be understood although, upon casual inspection, they might appear somewhat complex.

For the purpose of financial statement, the various systems are treated as quite separate units for each of which similar statements and details are given. Many of the pages which follow, therefore, simply repeat for each system the class of data which is presented for the first system dealt with, namely, the Niagara system. In order, therefore, to possess a ready grasp of all the figures presented in this and other similar reports of the Commission, all that is necessary is to have a true understanding of the financial procedure followed in connection with one system and with one municipal Hydro utility.

The accounts of the Hydro-Electric Power Commission of Ontario are audited by auditors specially appointed by the Provincial Government. The accounts of the Hydro utility of each individual municipality are prepared according to approved and standard practice and are also duly audited. In fact, in preparing the various financial reports and statistical tables relating to all Hydro enterprises, the greatest care is exercised and all statements are presented in such form that they may be comprehensive and at the same time easily understood.

It is proposed here to explain briefly the general plan of the financial operations of the Commission and in the course of the explanation to illustrate by reference to specific data.

The balance sheet which immediately follows, exhibits the assets and liabilities of the Hydro-Electric Power Commission of Ontario in respect of all of its undertakings, except those of the "Central Ontario and Trent" and "Nipissing" systems—which, owing to special conditions, are separately submitted.

It will be understood that this statement of assets and liabilities and the financial tables which follow relate to the properties constructed and operated by the Commission as trustee for the municipalities; and the balance sheets,

operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", refer to the operation of the municipalities' properties within the boundaries of those municipalities which have contracted with the Commission for their supply of electrical energy.

The whole Hydro-electric undertaking of the municipalities, so far as finances are concerned, is operated in what may be termed two distinct divisions. The first division covers the generation, transformation, and transmission of electrical energy in wholesale quantities to municipalities. The equipment essential to this work is constructed, or otherwise provided, and also operated on behalf of the associated municipalities by the Hydro-Electric Power Commission of Ontario.

The second division comprises the various operations involved in the local distribution by the municipal utility commissions, within their respective municipalities, of the electrical energy which they purchase from the Hydro-Electric Power Commission. The work performed by municipal commissions in their local distribution and sale of electrical energy is under the supervision of the Hydro-Electric Power Commission.

The ultimate source of all revenue—whether for the larger operations of the Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. The revenue collected from consumers for the service supplied by the municipalities is divided so as to pay for the power purchased from the Commission and also for the expense incurred by the local utility in supplying its customers.

The portion of the total revenue remitted to the Hydro-Electric Power Commission—and this remittance appears in the financial statements as the total "Cost of Power"—must be sufficient to pay the municipality's proportion of the expenditures made by the Commission on behalf of the municipality, in connection with the particular system to which the municipality belongs, in order to provide, transmit and sell to the municipality the agreed-upon amount of power. This remittance to the Commission includes a sinking fund, provision in the renewals reserve for depreciation, and also a contingency or insurance fund; the first mentioned reserve is providing for the liquidation of the capital investment, the latter two are creating funds to provide for the renewing or rebuilding of any section of the various properties when necessary and to meet any unforeseen contingencies which may, from time to time, arise. The Hydro-Electric Power Commission of Ontario obtains its revenue from power service—that is, from the sale of electricity generated for and transmitted to the municipalities in bulk—and with this revenue operates and maintains its system and also creates the reserves just mentioned. Power service is given to each municipality "at cost".

All municipal Hydro utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same sound financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and provide a reserve to rebuild generating, transforming, and transmission systems, the municipalities are taking similar action with respect to their local Hydro systems.

From the foregoing explanation it will be seen that the revenue obtained from Hydro light and power customers is sufficient to meet *all* operating and maintenance costs and capital charges in connection with (a) individual municipal investments and (b) collective municipal investments made through the agency of the Hydro-Electric Power Commission, and in addition there is being provided a fund for the purpose of renewing or rebuilding the properties—if necessary—of the whole Hydro installation from the generating stations to and including the municipal systems.

It will be profitable to consider, very briefly, the basic principle upon which the whole Hydro project is founded. This is set out in the contracts under which the municipalities enter into the partnership of which the Commission acts as trustee. The rates at which power is supplied to the various municipalities vary with the amount of power used and the distance from the source of supply. The entire capital cost of the various power developments and transmission systems are pro-rated annually to the connected municipalities, according to the relative use made of the lines and equipment. Each municipality is required to assume responsibility for just that portion of capital employed in delivering electrical energy to it, together with such expenses as are incident to that particular portion of the investment. Municipalities are not charged with expenses connected with equipment or plant from which they derive no benefit or are in no way interested. The entire annual expense of operation, maintenance, administration, interest and sinking fund and full depreciation are paid out of revenue collected from the municipal Hydro utilities through the medium of power bills rendered by the Commission. Power bills are rendered at an interim estimated rate each month during the year and a thirteenth bill—or credit memorandum as the case may be—is rendered at the end of the year, when the Commission's books are closed and the actual cost determined.* There is no burden on the taxpayers or on non-users and no avenue through which losses, should they occur, could be absorbed, except by a direct charge to the contracting municipalities for power supplied. It should be noted that sinking fund and debenture payments are treated as operating expense and that, therefore, the municipalities are not only paying the interest on the investment, but are retiring the bonded debt from revenue and, in addition, are providing from revenue for the perpetuity of the system, an adequate reserve for contingency and depreciation purposes.

The results obtained by the annual adjustments of the Commission's capital investment, operating expenses and fixed charges, as they affect individual municipalities are clearly shown in the tables for the respective systems.

These financial statements are typical of others appearing in this section of the Commission's Annual Report, and if their significance is fully appreciated there can be no misconception of the relationship of the municipalities to the Commission's operations.

To illustrate further the foregoing explanatory comments a typical Operating Report is now submitted, viz., that of the Hydro-Electric Utility of the city of Kitchener.

*The financial year for the Commission accounts ends on October 31. The financial year for the Municipal accounts, however, ends on December 31, and the Municipal accounts are made up to this date, and so recorded in Section X.

KITCHENER HYDRO SYSTEM

OPERATING STATEMENT FOR THE YEAR 1925

REVENUE

Revenue from Kitchener Hydro customers for year..... $434,634.94

EXPENSES

Representative illustration of expenses incurred by the Hydro-Electric Power Commission on behalf of a municipality in connection with the supplying of its electrical energy. These data really show—as determined by annual adjustment—what it costs the Commission to supply the municipality with its power. See Cost of Power Statement, page 146, for the city of Kitchener, as follows:

Cost (proportionate share) of operation and maintenance expense of Niagara generating plants, transformer stations and transmission lines, together with administrative expenses.....	$68,919.60	
Interest on Kitchener's proportionate share of capital investment in generating plants, transformer stations and transmission lines.....	146,374.01	
Sinking Fund (proportionate share) provided in respect of generating plants, transformer stations and transmission lines...	35,526.94	
Renewal reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines...	18,414.99	
Contingency reserve (proportionate share) provided in respect of generating plants, transformer stations and transmission lines—a reserve created to meet any unforeseen contingency expense.....	8,369.76	
		$277,605.30

Expenses incurred by a municipality through its utility commission in connection with the sale of electrical energy to consumers. Consult the section dealing with the Municipal Accounts:

Operation, maintenance and administrative expenses, etc.	$84,068.88	
Interest and fixed charges on debenture debt	21,767.93	
Depreciation charge	18,646.00	
		$124,482.81
Total expenses charged against the revenue from customers of the Kitchener system		$402,088.11
Net surplus for the year		$32,546.83

The municipality of Kitchener situated north-west of Hamilton, approximately seventy-five miles distant from the source of power, Niagara Falls, Ontario, was connected to the system in January, 1911. This Hydro utility complied with every monetary obligation imposed upon it by the Power Commission Act. With the close of the fifteenth year of operation, its financial condition as shown in the municipalities' balance sheet (see Statement "A" in Section X) stands as follows:

Total assets, $1,155,654.39; total liabilities, $411,909.34; reserves and surplus, $743,745.05. The reserves and surplus account is detailed hereunder:

Debenture payments	$156,156.74
Reserve for renewals of local plant	137,368.00
Sinking fund equity in Hydro-Electric Power Commission system	239,193.75
Surplus	211,026.56
	$743,745.05

In addition to the above-mentioned reserves the Hydro-Electric Power Commission of Ontario has collected from this utility during the fifteen years of operation the sum of $132,853.79, representing Kitchener's proportionate share of renewals reserve levied by the Commission in the cost of power. This sum is part of the total reserve for renewals shown in the Commission's balance sheet.

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER

ASSETS

Niagara System:			
Generating plants:			
Queenston-Chippawa development		$75,805,585.03	
Ontario Power development, including water rights		22,021,672.56	
Electrical Power development, including water rights		12,005,146.30	
Transmission lines:			
Right-of-way		6,802,781.27	
Steel-tower and wood-pole lines		15,164,828.71	
Transformer stations		20,608,604.53	
		$152,408,618.40	
Distribution lines:			
Rural power districts	$1,210,564.21		
Rural lines	134,194.84		
Municipal	39,383.24		
		1,384,142.29	
			$153,792,760.69
Georgian Bay System:			
Generating plants:			
Big Chute development		$656,311.30	
Eugenia Falls development		1,138,392.52	
Wasdells development		146,849.37	
Muskoka development		593,460.69	
Transmission lines		1,895,925.39	
Transformer stations		569,221.30	
		$5,000,160.57	
Distribution lines:			
Rural power districts	$65,389.61		
Rural lines	3,513.69		
		68,903.30	
			5,069,063.87
Thunder Bay System:			
Nipigon generating plant		$9,719,404.00	
Transmission lines		1,488,617.43	
Transformer stations		532,619.73	
			11,740,641.16
St. Lawrence System:			
Transmission lines		$514,761.04	
Transformer stations		495,551.84	
		$1,010,312.88	
Rural power districts		30,415.71	
			1,040,728.59
Ottawa System:			
Transformers and meters		$2,942.16	
Rural power districts		26,391.32	
			29,333.48
Rideau System:			
Generating plants		$783,889.02	
Transmission lines		261,698.94	
Transformer stations		60,414.24	
			1,106,002.20
Bonnechere River Storage System:			
Round Lake dam		$20,292.68	
Golden Lake dam		11,092.81	
Interest on above to December 31, 1916		2,780.25	
			34,165.74
Carried forward			$172,812,695.73

COMMISSION OF ONTARIO

and Liabilities, October 31, 1925

UNDERTAKINGS

LIABILITIES

Provincial Treasurer:			
Cash advances for Niagara and other systems		$60,943,785.43	
Cash advances for Queenston-Chippawa development		71,066,261.08	
			$132,010,046.51
Unexpended portion of the sum appropriated by the Legislature to cover expenditures by the Commission on account of the Province			74,285.92
Bonus funds in the hands of the Commission to apply against certain rural power districts in course of construction or extension			22,893.60
Debentures issued by the Commission and guaranteed by the Province:			
Four per cent debentures due 1957 issued in purchase of the Ontario Power Company of Niagara Falls	$8,000,000.00		
Interest accrued thereon	80,000.00		
		$8,080,000.00	
Six per cent debentures due 1941 issued for the purpose of retiring the 1921 issue of the Ontario Power Company of Niagara Falls	$3,200,000.00		
Interest accrued thereon	67,856.16		
		3,267,856.16	
Six per cent debentures due 1940 issued in purchase of the Toronto Power Company, Ltd	$413,200.00		
Interest accrued thereon	10,330.00		
		423,530.00	
Six per cent debentures due 1940 issued in purchase of certain electrical power equipment of the Toronto and York radial railway	$205,800.00		
Interest accrued thereon	5,145.00		
		210,945.00	
Five per cent debentures due 1939 issued for the purpose of retiring the 1924 issue of the Toronto Power Company, Limited	$4,000,000.00		
Interest accrued thereon	75,000.00		
		4,075,000.00	
Four per cent debentures due 1958 issued in purchase of distribution lines in Essex county	$200,000.00		
Interest accrued thereon	3,333.33		
		203,333.33	
Five per cent debentures due 1928 issued in purchase of distribution lines in Essex county	$26,000.00		
Interest accrued thereon	541.67		
		26,541.67	
Four per cent debentures due 1958 issued in purchase of distribution lines in vicinity of Thorold	$100,000.00		
Interest accrued thereon	1,666.67		
		101,666.67	
			16,388,872.83
Carried forward			$148,496,098.86

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

ASSETS

Brought forward		$172,812,695.73
Engineering on power sites, St. Lawrence and Ottawa Systems		179,065.85
Service Building and Equipment:		
Service building and equipment, Toronto	$478,413.54	
Equipment of storehouse and garage, Hamilton	3,666.40	
Pole yard and equipment, Cobourg	22,819.21	
		504,899.15
Office Buildings:		
On University avenue, Toronto	$514,063.07	
On Elm street and Centre avenue, Toronto	160,431.01	
		674,494.08
Office Furniture and Equipment:		
At Toronto office	$89,389.82	
At Hamilton office and outside offices	1,831.64	
At Electrical Inspection office	5,229.23	
Library	1,408.50	
		97,859.19
Automobiles and trucks		5,683.55
Inventories:		
Construction and maintenance, tools and equipment	$367,665.51	
Construction material and sundry supplies	641,373.09	
Maintenance material and supplies	243,627.33	
Stationery and office supplies	21,569.27	
		1,274,235.20
Sinking Funds:		
(1) Invested in securities of the Province of Ontario for repayment of cash advances by the Province:		
(a) On deposit with Provincial Treasurer (par value $4,812,000)	$4,847,799.52	
Interest accrued thereon	63,361.61	
		4,911,161.13
(2) Invested in securities of the Province of Ontario for repayment of bonds, debentures and debenture stock issued and assumed by the Commission and guaranteed by the Province:		
(a) On deposit with Provincial Treasurer (par value, $2,133,500)	$2,204,721.81	
(b) On deposit with Canada Trust Co. (par value, $30,500)	31,952.43	
Interest accrued thereon	34,091.25	
		2,270,765.49
Insurance Funds:		
Invested in securities of the Dominion of Canada (par value, $650,000)	$666,864.18	
Invested in securities of the Province of Ontario (par value, $28,000)	29,118.72	
Interest accrued thereon	18,516.66	
		714,499.56
Staff Pension Funds:		
Invested in guaranteed mortgage certificates of Canada Trust Company (par value, $200,000)	$200,000.00	
Invested in securities of the Province of Ontario (par value, $385,000)	378,703.58	
Interest accrued thereon	3,314.57	
		582,018.15
Carried forward		$184,027,377.08

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES

Brought forward			$148,496,098.86
Bonds and debenture stock assumed by the Commission and guaranteed by the Province:			
First mortgage 5% gold bonds due 1943, of the Ontario Power Company of Niagara Falls	$8,722,000.00		
Interest accrued thereon	109,025.00		
		$8,831,025.00	
First mortgage 5% gold bonds, due 1945, of the Ontario Transmission Company, Limited		1,508,000.00	
Guaranteed 4½% debenture stock, due 1941, of the Toronto Power Company, Limited		10,655,566.71	
First mortgage 5% gold bonds, due 1933, of the Electrical Development Company of Ontario, Limited	$3,883,000.00		
Interest accrued thereon	32,358.33	3,915,358.33	
Outstanding share capital of the Electrical Development Company of Ontario, Ltd.	1,100.00		
Other Debentures assumed:			
In respect of purchase of lines at Streetsville	3,422.10		
Interest accrued thereon	85.55		
		3,507.65	
In respect of purchase of Muskoka Power development	$35,226.33		
Interest accrued thereon	1,306.53		
		36,532.86	
In respect of purchase of sundry rural lines	$41,314.40		
Interest accrued thereon	664.16		
		41,978.56	
			24,993,069.11
Accounts payable			410,746.49
Bond interest due but not presented for payment			318,425.75
Bonds overdue but not presented for payment			8,100.00
Current account			146,239.12
Insurance Department:			
Outstanding claims and awards		$594,163.11	
Surplus		104,384.47	
			698,547.58
Reserve for staff pensions			610,450.96
Balances due to municipalities in respect of amounts paid by them to October 31, 1925, in excess of the cost of power supplied to them as provided to be paid under section 23 of the Act:			
Niagara system		$494,202.02	
Georgian Bay system		38,572.83	
St. Lawrence system		9,605.20	
Ottawa system		2,435.68	
			544,815.73
Carried forward			$176,226,493.60

HYDRO-ELECTRIC POWER

Detailed Statements of Assets

POWER UNDER

ASSETS

Brought forward			$184,027,377.08
Reserve Funds:			
Invested in securities of the Dominion of Canada (par value, $1,750,000)		$1,757,120.33	
Invested in securities of the Province of Ontario (par value, $124,000)		130,752.92	
Invested in securities of the Commission guaranteed by the Province of Ontario (par value, $1,466,205)		1,394,879.43	
Interest accrued thereon		44,802.12	
			3,327,554.80
Cash:			
In banks		$156,654.32	
In banks to pay bond interest due but not presented		318,425.75	
In bank to pay Toronto Power Co. bonds overdue but not presented		8,100.00	
Sinking fund on deposit for trustees for bond holders		4,106.44	
In hands of employees as advances on account of expenses		133,332.99	
			620,619.50
Accounts Receivable:			
Due by municipalities and sundry customers in respect of construction work and supply sales	$512,918.41		
Less: Reserve for doubtful accounts	23,499.09		
		489,419.32	
Due by municipalities and sundry customers in respect of power accounts	$2,155,783.37		
Less: Reserve for doubtful accounts	86,420.62		
		2,069,362.75	
"Sinking Fund and Interest" accounts owing in respect of rural lines		154,372.04	
Due by town of Renfrew for water from Bonnechere storage system for power purposes		13,917.26	
Claim against Dominion Government in respect of income tax paid for the thirteen months ending December 31, 1921, which should be recoverable		72,334.46	
			2,799,405.83
Balances due by municipalities in respect of the costs of power supplied to them, as provided to be paid under section 23 of the Act:			
Niagara system		$353,202.42	
Georgian Bay system		84,338.31	
St. Lawrence system		15,055.31	
Rideau system		21,695.89	
			474,291.93
Work in progress:			
Expenditure on account of various systems chargeable upon completion to:			
Capital construction		$30,461.64	
Operating and maintenance expenses		6,536.00	
			36,997.64
Insurance unexpired			52,653.86
Discount on debentures issued by the Commission—less proportionate amounts written off:			
On debentures issue $3,200,000 maturing 1941		$122,418.81	
On debentures issue $4,000,000 maturing 1939		88,873.20	
			211,292.01
Carried forward			$191,550,192.65

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES

Brought forward		$176,226,493.60
Reserves for Sinking Fund:		
Niagara system	$7,253,284.69	
Niagara rural lines	29,526.60	
Georgian Bay system	390,983.26	
Georgian Bay rural lines	301.23	
St. Lawrence system	81,322.32	
Rideau system	28,064.34	
Ottawa system	1,826.04	
Bonnechere storage system	6,348.30	
Thunder Bay system	3,747.80	
	$7,795,404.58	
Office buildings	113,171.21	
Service buildings	87,606.40	
		7,996,182.19
Reserves for Renewals:		
Niagara system	$5,951,034.78	
Georgian Bay system	518,542.72	
St. Lawrence system	135,628.46	
Rideau system	70,947.30	
Ottawa system	3,243.65	
Thunder Bay system	160,002.74	
	$6,839,433.82	
Service buildings	181,480.98	
Office buildings	21,041.60	
		7,041,922 23
Reserves for Contingencies:		
Niagara system	$946,106.50	
Georgian Bay system	78,598.56	
Thunder Bay system	31,522.92	
St. Lawrence system	41,924.44	
Rideau system	22,334.49	
Ottawa system	272.05	
		1,120,758.96
Balance at credit of interest account		33,894.03
Contingent Liabilities:		
In respect of contracts entered into for works under construction	$934,164.92	
Carried forward		$192,419,251.01

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

POWER UNDER

ASSETS

Brought forward			$191,550,192.65

RADIAL RAILWAY

Sandwich, Windsor and Amherstburg Railway:			
Road and equipment	$3,995,482.90		
Materials and supplies	101,090.33		
		$4,096,573.23	
Accounts receivable	$4,338.38		
Cash in banks:			
In the general bank account of the Commission at Toronto	63,873.52		
At Windsor	14,500.47		
		82,712.37	
Insurance, taxes and expenses prepaid	$5,038.70		
Valuation and other expenses re purchase of plant assets of the railway and re issue of bonds—less 58% written off	8,663.30		
		13,702.00	
			$4,192,987.60
Guelph Radial Railway:			
Road and equipment	$410,746.82		
Materials and supplies	6,618.96		
		$417,365.78	
Accounts receivable	$651.64		
Cash in banks:			
In the general bank account of the Commission at Toronto	16,705.99		
At Guelph	1,035.02		
		18,392.65	
Insurance prepaid	$804.26		
Valuation and other expenses re purchase of plant assets by the Commission—less one-half written off	1,281.50		
		2,085.76	
Due by the City of Guelph:			
Operating deficit for the year ending October 31, 1924—as per operating account	$18,437.12		
Carried forward	$18,437.12	$437,844.19	$195,743,180.25

COMMISSION OF ONTARIO

and Liabilities—Continued

TAKINGS—Continued

LIABILITIES

Brought forward			$192,419,251.01
UNDERTAKINGS			
In respect of the Sandwich, Windsor and Amherstburg Railway:			
Debentures issued by the Commission and guaranteed by the Province:			
Four and one-half per cent debentures due 1960, issued in purchase of the railways	$2,039,000.00		
Four and one-half per cent debentures due 1960, issued for the purpose of making extensions and betterments	61,000.00		
Six per cent debentures due 1961, issued for the purpose of making extensions and betterments	900,000.00		
Five per cent debentures due 1943, issued for the purpose of making extensions and betterments	966,205.00		
	$3,966,205.00		
Interest accrued thereon	33,926.71		
		$4,000,131.71	
Accounts payable and accrued charges	$11,644.01		
Provision for unredeemed tickets	8,500.00		
		$20,144.01	
Premium (less discount) on sales of debentures—less portion written off		59,512.51	
Reserve for renewal of road and equipment		113,199.37	
Contingent Liability:			
First mortgage 5% gold bonds of the Windsor and Tecumseh Electric Railway Company due 1927 and payable by the Detroit United Railways under the terms of the purchase agreement dated January 14, 1920	$189,000.00		
			4,192,987.60
In respect of the Guelph Radial Railway:			
City of Guelph—purchase price of the railway payable thereto, in half-yearly instalments, under the terms of the agreement dated December 9, 1920	$150,000.00		
Less—Eight instalments paid thereon	21,431.42		
		128,568.58	
Six per cent debentures of the Commission due 1931, issued for the purpose of making extensions and betterments		156,000.00	
Bank of Montreal—advances (secured by hypothecation of $150,000 debentures of the city of Guelph)		140,000.00	
Accounts payable and accrued charges	$3,167.15		
Provision for unredeemed tickets	1,264.16		
		4,431.31	
Carried forward		$428,999.89	$196,612,238.61

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

RADIAL RAILWAY

ASSETS

Brought forward	$18,437.12	$437,844.19	$195,473,180.25
Guelph Radial Railway—Continued:			
Less—Instalment of principal and interest payable to the city of Guelph, November 1, 1925, under the terms of the purchase agreement	$5,850.00	12,587.12	450,431.31
Toronto and York Radial Railways:			
Radial Railway properties:			
Metropolitan division (including Schomberg)—Road and equipment	$2,142,953.21		
Scarboro division—Road and equipment	366,721.88		
Mimico division—Road and equipment	520,538.55	$3,030,213.64	
Materials and supplies		139,675.63	
Mortgages receivable with accrued interest	$263,143.46		
Accounts receivable (less reserve for doubtful accounts)	7,274.02		
Cash in banks	4,442.57	274,860.05	
Insurance and taxes prepaid	$10,520.24		
Valuation and other expenses incidental to the purchase of the railways, less one-half written off	21,018.45	31,538.69	
Due by the city of Toronto:			
Five per cent interest on 1923 operating deficit computed as from November 1, 1923, until paid December 8, 1924	$9,750.80		
Less 5% interest on the amount owing to the city of Toronto in respect of the operation of the city section of the Metropolitan division in the twenty-three months ending October 31, 1922, $101,720.55 from November 1, 1923, until date paid December 8, 1924	5,615.53	$4,135.37	
Operating deficit for the period up to October 31, 1924		248,541.34	
Interest on the above amount for the year ending October 31, 1925		12,426.99	
Operating deficit for the year ending October 31, 1925, as per operating account		247,122.27	
		512,225.87	$3,988,513.88
Carried forward			$200,182,125.44

COMMISSION OF ONTARIO

and Liabilities—Continued

UNDERTAKINGS—Continued

LIABILITIES

Brought forward		$428,999.89	$196,612,238.61
In respect of the Guelph Radial Railway—Continued:			
Reserve—created by payment of instalments on the purchase price out of the revenue of the road and assessments against the city of Guelph		21,431.42	450,431.31
In respect of Toronto and York Radial Railways:			
Debentures issued by the Commission and guaranteed by the Province:			
Six per cent debentures due 1940, issued in purchase of the Metropolitan, Scarboro and Mimico radial railway divisions	$2,375,000.00		
Interest accrued thereon	59,375.00		
		$2,434,375.00	
Bank of Montreal—advances (secured by hypothecation of $600,000 debentures of the city of Toronto and $1,250,000 interim Hydro-Radial debentures of the Commission and $600,000 interim debentures of the city of Toronto)		1,200,000.00	
Accounts payable and accrued charges	$9,863.54		
Mortgages payable	1,850.00		
Provision against claims for injuries and damages	5,005.52		
Provision for unredeemed tickets	5,352.26		
		22,071.32	
			$3,656,446.32
Carried forward			$200,719,116.24

HYDRO-ELECTRIC POWER

Detailed Statement of Assets

RADIAL RAILWAY

ASSETS

Brought forward		$200,182,125.44
Port Credit to St. Catharines Radial Railway:		
Expended upon purchase of right-of-way	$71,422.80	
Construction materials purchased	117,510.09	
Surveying, engineering, administrative expenses and interest	199,462.55	
		388,395.44
Toronto to Port Credit Radial Railway:		
Expended upon purchase of right-of-way	$432,101.69	
Surveying, engineering, administrative expenses and interest	216,493.67	
		648,595.36
		$201,219,116.24

COMMISSION OF ONTARIO

and Liabilities—Continued

UNDERTAKINGS—Continued

LIABILITIES

Brought forward		$200,719,116.24
In respect of the Port Credit to St. Catharines Radial Railway:		
Bank of Montreal—advances (secured by hypothecation of $1,200,000 Hydro radial debentures, being part of issue of $11,360,363 guaranteed by Province of Ontario)		500,000.00
Contingent liabilities:		
In respect of contracts entered into for works under construction	$171,332.48	
		$201,219,116.24

NIAGARA

Operating Account for Year

COST OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6c AND 23 OF THE ACT

Power purchased		$309,777.83
Cost of operating and maintaining generating plants, transformer stations and transmission lines, including the proportion of administrative expenses chargeable to the operation of the system		2,547,870.09
Interest on capital invested		7,590,152.77
Provision for renewals of generating plants, transformer stations and transmission lines		859,144.95
Provision for contingencies:		
By charges against municipalities	$269,994.18	
Provision against equipment employed in respect of contracts with sundry customers	122,369.35	
By charges included in the cost of power to Hydro radial railways	3,808.73	
		396,172.26
Provision for sinking funds for repayment of the cash advances of the province to the Commission for the retirement of the bonds issued and assumed by the Commission:		
By charges against municipalities	$1,213,471.53	
By charges against private companies	575,288.66	
By charges included in the cost of power to Hydro radial railways	17,716.36	
		1,806,476.55
		$13,509,594.45

NIAGARA SYSTEM—

Operating Account for year ending October 31, 1925,

For detail report see

Power purchased from Commission	$171,864.42
Costs of operating and maintaining transmission lines and equipment	136,467.63
Interest on capital investment	48,631.34
Provision for renewals of lines and equipment	40,696.71
Provision for contingencies	10,174.17
Provision for sinking fund for repayment of cash advances	18,275.59
	$426,109.86

SYSTEM

Ending October 31, 1925

REVENUE FOR PERIOD		
Collected from municipalities	$9,447,129.17	
Power sold to private companies	3,975,824.78	
Power supplied to Hydro radial railways	146,945.14	
		$13,569,899.09
Deduct:		
Amounts collected from certain municipalities and Hydro electric railways in excess of the sums required to be paid by them for power supplied in the year	$290,928.21	
Less:		
Amounts due by certain municipalities, being the difference between the sums paid and the cost of power supplied to them in the year	230,623.57	
		60,304.64
Revenue		$13,509,594.45
		$13,509,594.45

RURAL POWER DISTRICTS

included in above account of Niagara System

pages 158 to 161

Revenue collected from rural power districts		$510,017.27
Add—Deficit on operation of certain rural power districts	$2,813.87	
Deduct—Surplus on operation of certain rural power districts	86,721.28	
		83,907.41
		$426,109.86

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
					Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Acton	35.00	153,810.01	461.0	243.82	3,290.25	7,707.26	1,238.29
Agincourt	40.00	15,253.00	42.1	347.57	519.84	764.50	117.86
Ailsa Craig	49.00	33,845.64	68.2	36.07	904.42	1,643.74	348.91
Alvinston	85.00	79,232.02	104.8	55.43	1,750.48	3,303.00	755.92
Ancaster twp	25.81	68,266.04	247.5	130.90	1,079.48	3,464.78	447.85
Aylmer	46.00	126,436.90	324.6	171.68	3,140.05	6,258.77	1,120.65
Ayr	43.00	27,750.84	81.7	43.21	697.10	1,356.95	220.40
Baden	36.00	92,022.17	280.1	148.14	2,265.72	4,505.31	699.71
Barton twp	29.02	132,621.05	508.6	269.00	4,421.38	6,818.31	812.91
Beachville	36.00	124,422.42	412.8	218.33	3,478.41	6,254.34	909.22
Belle River	60.00	23,675.95	63.3	33.48	789.43	1,186.35	199.61
Blenheim	48.00	115,040.38	334.0	176.65	3,248.51	5,745.59	924.06
Blyth	91.20	35,240.08	52.2	27.61	951.43	1,730.74	405.08
Bolton	55.00	50,682.40	93.0	49.19	1,000.05	2,453.27	537.16
Bothwell	50.00	67,358.96	169.6	89.70	2,015.19	3,269.81	586.92
Brampton	30.00	350,868.86	1,183.2	625.79	8,088.72	17,594.23	2,487.40
Brantford	25.00	2,163,125.26	8,046.2	4,255.62	37,704.54	110,192.20	13,860.73
Brantford twp	25.00	67,917.06	252.8	133.71	1,155.84	3,483.79	434.80
Brigden	78.00	45,801.15	81.5	43.11	1,397.95	2,244.44	491.96
Brussels	76.16	51,285.46	92.1	48.71	1,449.06	2,534.30	551.34
Burford	56.00	36,054.57	84.0	44.43	1,013.14	1,782.87	346.79
Burgessville	55.00	14,136.36	34.6	18.30	664.05	701.17	131.82
Caledonia	29.00	54,439.87	190.8	100.91	1,020.48	2,738.40	372.12
Campbellville	80.00	3,793.50	12.2	6.45	100.78	192.90	28.28
Cayuga	60.00	40,020.97	75.4	39.88	913.46	1,981.93	426.71
Chatham	31.00	940,907.53	3,311.1	1,751.23	16,909.49	47,531.00	6,191.04
Chippawa	30.00	47,048.48	205.5	108.69	889.43	2,444.87	251.48
Clifford	100.50	21,009.76	33.1	17.51	459.27	1,033.52	236.82
Clinton	50.00	131,965.43	343.5	181.68	2,690.96	6,553.71	1,166.62
Comber	48.00	68,006.44	172.1	91.02	2,466.67	3,378.62	608.31
Courtright	97.30	21,418.66	28.0	14.81	605.43	1,045.15	252.88
Dashwood	62.00	26,899.05	48.3	25.55	758.16	1,308.98	288.32
Delaware	70.00	5,380.62	16.0	8.46	245.38	267.14	43.46
Dereham twp	37.00	18,239.25	55.0	29.09	952.06	914.65	146.06
Dorchester	48.00	20,614.15	61.1	32.32	960.61	1,028.67	165.24
Drayton	68.00	40,353.01	69.5	36.76	1,031.46	1,972.69	438.44
Dresden	38.00	69,551.94	217.4	114.98	1,921.10	3,479.18	522.97
Drumbo	45.00	22,814.22	56.1	29.67	776.23	1,135.75	212.63
Dublin	70.00	17,601.05	35.3	18.67	630.64	867.28	180.48
Dundas	23.00	332,330.78	1,319.3	697.77	5,872.57	16,837.11	1,947.23
Dunnville	38.00	157,893.30	400.6	211.88	3,676.82	7,900.14	1,482.31
Dutton	43.00	48,561.18	148.6	78.59	1,772.78	2,429.14	380.95
Elmira	34.00	215,578.73	677.1	358.12	4,720.89	10,600.51	1,579.62
Elora	38.00	107,758.98	310.8	164.38	2,555.67	5,373.23	895.78
Embro	68.00	30,353.94	57.8	30.57	1,032.16	1,479.85	321.29

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1925

fixed charges				Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies	Sinking fund	Totals	Companies' balance			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
457.49	1,989.33	14,926.44	696.61	15,623.05	16,136.66	513.61	.....
41.29	199.42	1,990.48	63.62	2,054.10	2,176.63	122.53	.....
100.51	467.37	3,501.02	103.06	3,604.08	3,343.28	.....	260.80
188.80	955.39	7,009.02	158.36	7,167.38	8,910.50	1,743.12	.....
201.08	836.23	6,160.32	374.00	6,534.32	6,387.22	.....	147.10
379.09	1,665.04	12,735.28	490.50	13,225.78	14,933.86	1,708.08	.....
81.15	353.06	2,751.87	123.46	2,875.33	3,513.78	638.45	.....
274.41	1,157.41	9,050.70	423.26	9,473.96	10,084.08	610.12	.....
377.43	1,616.13	14,315.16	768.54	15,083.70	14,758.32	.....	325.38
375.92	1,574.11	12,810.33	623.78	13,434.11	14,860.59	1,426.48	.....
71.98	312.36	2,593.21	95.65	2,688.86	3,798.50	1,109.64	.....
343.45	1,492.90	11,931.16	504.71	12,435.87	16,031.40	3,595.53	.....
100.81	503.12	3,718.79	78.88	3,797.67	4,759.88	962.21	.....
141.70	705.45	4,886.82	140.53	5,027.35	5,116.60	89.25	.....
198.98	880.59	7,041.19	256.28	7,297.47	8,477.70	1,180.23	.....
990.70	4,415.64	34,202.48	1,787.93	35,990.41	37,215.01	1,224.60	.....
6,242.33	26,604.63	198,860.05	12,158.56	211,018.61	201,154.95	.....	9,863.66
195.90	835.17	6,239.21	382.00	6,621.21	6,320.37	.....	300.84
133.57	641.66	4,952.69	123.15	5,075.84	6,355.94	1,280.10	.....
150.64	717.66	5,451.71	139.17	5,590.88	7,016.24	1,425.36	.....
107.75	488.10	3,783.08	126.93	3,910.01	4,701.63	791.62	.....
41.36	189.82	1,746.52	52.28	1,798.80	1,902.06	103.26	.....
155.16	672.64	5,059.71	288.32	5,348.03	5,534.37	186.34	.....
10.65	48.28	387.34	18.44	405.78	976.61	570.83	.....
119.78	556.90	4,038.66	113.94	4,152.60	4,521.50	368.90	.....
2,740.99	11,708.63	86,832.38	5,003.38	91,835.76	102,944.37	11,108.61	.....
123.64	554.53	4,372.64	310.53	4,683.17	6,163.75	1,480.58	.....
59.12	298.18	2,104.42	50.02	2,154.44	3,329.03	1,174.59	.....
378.43	1,750.59	12,721.99	519.06	13,241.05	16,675.63	3,434.58	.....
202.12	906.82	7,653.56	260.06	7,913.62	8,263.00	349.38	.....
58.45	308.25	2,284.97	42.31	2,327.28	2,720.31	393.03	.....
75.14	373.90	2,830.05	72.99	2,903.04	2,992.50	89.46	.....
16.45	69.67	650.56	24.18	674.74	1,118.22	443.48	.....
51.20	235.67	2,328.73	83.11	2,411.84	2,036.20	.....	375.64
61.67	265.34	2,513.85	92.33	2,606.18	2,933.60	327.42	.....
115.89	558.31	4,153.55	105.02	4,258.57	4,728.80	470.23	.....
211.16	890.01	7,139.40	328.51	7,467.91	8,260.77	792.86	.....
68.22	306.24	2,528.74	84.77	2,613.51	2,525.22	.....	88.29
58.96	242.97	1,999.00	53.34	2,052.34	2,470.96	418.62	.....
913.77	3,999.56	30,268.01	1,993.59	32,261.60	30,730.25	.....	1,531.35
412.46	2,113.92	15,797.53	605.34	16,402.87	15,224.35	.....	1,178.52
147.88	624.79	5,434.13	224.55	5,658.68	6,390.80	732.12	.....
625.39	2,681.46	20,565.99	1,023.16	21,589.15	23,022.78	1,433.63	.....
309.11	1,404.61	10,702.78	469.65	11,172.43	11,810.83	638.40	.....
90.69	422.33	3,376.89	87.34	3,464.23	3,929.78	465.55	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
					Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Erieau	84.28	14,374.80	24.3	12.85	388.07	708.55	157.31
Erie Beach	83.20	2,295.83	4.3	2.27	180.25	104.92	21.39
Essex	49.00	65,146.45	173.6	91.82	1,586.41	2,938.50	550.64
Etobicoke twp.	28.00	368,890.19	1,221.9	646.25	6,739.58	17,976.19	2,404.96
Exeter	48.00	117,640.99	294.6	155.81	2,852.10	5,805.64	1,072.59
Fergus	36.00	104,471.63	299.1	158.19	2,554.74	5,214.19	873.59
Ford City	38.00	487,729.06	1,604.7	848.72	14,990.75	24,653.06	3,373.09
Forest	55.00	77,701.89	173.3	91.66	2,469.74	3,821.52	742.19
Galt	28.00	1,329,555.55	4,892.6	2,587.68	24,398.92	67,026.11	8,486.06
Georgetown	38.00	216,657.27	600.7	317.71	4,889.66	10,740.73	1,857.10
Glencoe	65.00	64,466.38	116.1	61.40	2,167.27	3,139.17	677.10
Goderich	55.00	335,776.33	770.9	407.73	6,621.29	16,546.09	3,212.38
Granton	55.00	25,566.89	55.9	29.57	922.70	1,260.55	253.36
Guelph	27.00	1,526,921.13	5,893.5	3,117.06	29,093.45	77,574.82	9,239.40
Hagersville	32.00	206,453.65	670.8	354.78	3,644.44	10,336.85	1,539.65
Hamilton	24.00	6,516,249.00	24,700.0	13,063.77	93,153.85	330,745.19	40,611.35
Harriston	50.00	82,989.98	219.2	115.93	2,038.01	4,116.93	726.13
Harrow	65.00	44,100.11	87.8	46.44	1,097.65	2,073.62	445.77
Hensall	65.00	38,737.32	74.5	39.40	874.53	1,868.65	400.12
Hespeler	30.00	210,882.98	721.9	381.81	3,997.84	10,389.49	1,408.24
Highgate	50.00	29,579.19	69.7	36.86	657.51	1,460.08	276.92
Humberstone	27.68	36,680.41	144.8	76.58	984.28	1,885.05	225.18
Ingersoll	30.00	404,678.29	1,471.9	778.48	8,679.37	20,431.77	2,657.43
Jarvis	48.09	51,000.60	132.0	69.81	872.93	2,550.00	458.59
Kingsville	53.00	108,852.09	248.8	131.59	2,949.20	5,047.18	1,016.21
Kitchener	27.00	2,957,599.93	10,678.9	5,648.04	47,134.74	146,374.01	18,414.99
Lambeth	70.00	26,165.97	61.5	32.53	960.71	1,296.63	249.32
Leamington	54.00	152,199.02	382.3	202.20	3,693.47	7,193.94	1,343.66
Listowel	40.00	161,451.30	461.5	244.09	3,898.55	8,053.25	1,329.58
London	25.00	4,954,354.19	18,659.8	9,869.12	79,122.01	250,939.25	30,874.21
London Ry. Com		392,057.56	1,237.1	654.30	19,055.36	19,601.57	2,989.85
London twp.	40.76	25,550.27	59.1	31.26	702.83	1,181.12	215.52
Louth twp.	25.16	2,240.46	8.7	4.60	34.99	113.29	13.17
Lucan	40.00	53,705.43	154.9	81.93	1,492.86	2,671.19	444.96
Lynden	43.00	49,858.69	136.1	71.98	1,491.69	2,474.09	434.50
Markham	60.00	50,575.69	88.2	46.65	687.12	2,477.14	524.74
Merlin	55.00	44,578.83	107.2	56.70	1,225.42	2,223.94	412.17
Merritton	20.00	130,442.23	605.9	320.46	2,653.45	6,805.34	591.19
Milton	32.00	328,711.97	1,054.3	557.62	7,788.89	16,496.37	2,457.47
Milverton	37.00	139,086.09	423.5	223.99	2,924.29	6,967.07	1,084.12
Mimico	30.00	310,509.99	1,135.8	600.72	5,109.70	15,783.59	1,962.93
Mitchell	37.00	102,047.72	315.9	167.08	2,319.32	5,080.87	783.17
Moorefield	75.00	21,665.68	36.6	19.36	607.26	1,058.45	237.12
Mount Brydges.	60.00	14,385.31	36.4	19.25	651.37	708.19	131.04
Newbury	58.00	13,338.28	27.3	14.44	429.93	650.71	131.91

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1925

fixed charges							
Contingencies	Sinking fund	Totals	Companies' balance	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
						Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
40.63	202.39	1,509.80	36.72	1,546.52	2,050.05	503.53	.....
6.01	29.10	343.94	6.50	350.44	356.36	5.92	.....
200.89	859.96	6,228.22	262.33	6,490.55	8,504.74	2,014.19	.....
1,033.70	4,425.77	33,226.45	1,846.41	35,072.86	34,212.94	.....	859.92
337.07	1,566.53	11,789.74	445.17	12,234.91	14,141.20	1,906.29	.....
298.83	1,363.73	10,463.27	451.97	10,915.24	10,767.90	.....	147.34
1,435.76	6,162.10	51,463.48	2,424.85	53,888.33	60,978.88	7,090.55	.....
232.79	1,051.29	8,409.19	261.87	8,671.06	9,530.04	858.98	.....
3,803.54	16,296.47	122,598.78	7,393.18	129,991.96	141,613.49	11,621.53	.....
621.60	2,845.69	21,272.49	907.71	22,180.20	22,826.75	646.55	.....
183.72	889.39	7,118.05	175.44	7,293.49	7,548.08	254.59	.....
945.51	4,547.17	32,280.17	1,164.90	33,445.07	41,163.43	7,718.36	.....
72.72	349.12	2,888.02	84.47	2,972.49	3,072.71	100.22	.....
4,311.28	18,577.72	141,913.73	8,905.63	150,819.36	159,124.94	8,305.58	.....
594.38	2,605.64	19,075.74	1,013.64	20,089.38	21,465.92	1,376.54	.....
18,569.10	79,568.07	575,711.33	37,324.02	613,035.35	594,359.84	.....	18,675.51
251.10	1,098.01	8,346.11	331.23	8,677.34	10,960.79	2,283.45	.....
136.54	609.05	4,409.07	132.67	4,541.74	5,705.88	1,164.14	.....
107.42	530.31	3,820.43	112.58	3,933.01	4,839.38	906.37	.....
592.02	2,567.05	19,336.45	1,090.86	20,427.31	23,233.54	2,806.23	.....
86.84	399.06	2,917.27	105.32	3,022.59	3,485.40	462.81	.....
100.70	440.81	3,712.60	218.81	3,931.41	4,007.32	75.91	.....
1,132.12	5,004.28	38,683.45	2,224.18	40,907.63	47,615.05	6,707.42	.....
142.90	674.72	4,768.95	199.46	4,968.41	6,346.21	1,377.80	.....
351.37	1,468.80	10,964.35	375.96	11,340.31	13,188.57	1,848.26	.....
8,369.76	35,526.94	261,468.48	16,136.82	277,605.30	295,000.63	17,395.33	.....
76.94	353.46	2,969.59	92.93	3,062.52	4,301.45	1,238.93	.....
455.01	2,030.20	14,918.48	577.69	15,496.17	20,645.04	5,148.87	.....
493.54	2,104.47	16,123.48	697.37	16,820.85	18,459.00	1,638.15	.....
14,193.47	60,643.58	445,641.64	28,196.71	473,838.35	466,494.46	.....	7,343.89
1,255.54	5,012.17	48,568.79	1,869.37	50,438.16	39,523.06	.....	10,915.10
74.31	314.62	2,519.66	89.31	2,608.97	2,407.86	.....	201.11
5.93	26.48	198.46	13.15	211.61	220.15	8.54	.....
158.65	699.81	5,549.40	234.07	5,783.47	6,197.62	414.15	.....
142.98	655.78	5,271.02	205.66	5,476.68	5,850.48	373.80	.....
136.24	706.99	4,578.88	133.28	4,712.16	5,292.50	580.34	.....
130.79	599.47	4,648.49	161.99	4,810.48	5,895.05	1,084.57	.....
312.30	1,504.64	12,187.38	915.57	13,102.95	12,117.49	.....	985.46
925.18	4,185.48	32,411.01	1,593.15	34,004.16	33,736.11	.....	268.05
423.18	1,789.55	13,412.20	639.95	14,052.15	15,669.89	1,617.74	.....
870.48	3,830.20	28,157.62	1,716.30	29,873.92	34,072.75	4,198.83	.....
299.76	1,308.33	9,958.53	477.35	10,435.88	11,687.62	1,251.74	.....
61.81	303.96	2,287.96	55.31	2,343.27	2,746.76	403.49	.....
42.78	192.00	1,744.63	55.00	1,799.63	2,186.50	386.87	.....
39.87	180.71	1,447.57	41.25	1,488.82	1,584.81	95.99	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to purchased	Share of operating costs and		
					Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
New Hamburg..	38.00	137,050.41	406.9	215.21	3,376.28	6,709.92	1,067.01
Newmarket.....	39.00	188,631.75	580.4	306.97	6,058.91	9,523.01	1,298.97
New Toronto...	30.00	922,771.37	3,176.6	1,680.10	16,094.75	46,448.28	6,270.15
Niagara Falls...	18.00	1,235,346.82	6,172.4	3,264.57	16,949.37	64,712.49	4,886.62
Niagara-on-Lake	26.00	64,840.55	267.7	141.59	1,657.10	3,345.32	380.88
Norwich.....	36.00	93,452.83	295.8	156.45	2,811.88	4,660.70	715.96
Oil Springs.....	35.00	88,287.39	255.2	134.97	1,660.29	4,425.47	713.53
Otterville.....	50.00	20,292.07	55.2	29.20	982.37	1,013.45	176.39
Palmerston.....	44.00	103,802.16	287.8	152.22	2,821.28	5,149.53	866.12
Paris.....	28.00	311,562.39	1,132.8	599.14	5,484.28	15,824.62	2,056.76
Parkhill.....	63.00	62,964.43	95.0	50.25	1,474.93	3,088.27	723.31
Petrolia.....	36.00	297,377.81	853.7	451.52	6,958.59	14,776.29	2,375.21
Plattsville.....	90.00	25,030.83	39.6	20.94	763.34	1,205.10	283.99
Point Edward...	40.00	193,351.51	591.7	312.95	6,568.87	9,703.21	1,454.83
Port Colborne...	27.00	201,793.11	796.6	421.32	5,265.28	10,300.22	1,238.85
Port Credit.....	32.00	86,294.66	278.6	147.35	2,279.87	4,283.34	619.66
Port Dalhousie..	26.00	68,646.56	244.1	129.10	1,915.85	3,421.09	456.66
Port Dover.....	45.00	59,318.95	148.9	78.75	1,466.68	2,969.31	545.83
Port Stanley....	45.00	90,290.40	247.3	130.80	3,652.63	4,462.99	776.11
Preston.....	27.00	661,291.91	2,475.9	1,309.50	12,185.61	33,460.58	4,148.38
Princeton.....	75.00	17,671.82	30.2	15.97	631.58	860.89	195.32
Queenston.....	20.00	19,693.83	76.8	40.62	433.04	1,014.22	125.65
Richmond Hill..	40.00	22,278.51	60.3	31.89	795.57	1,117.60	175.27
Ridgetown.....	40.00	108,699.47	311.5	164.75	2,701.58	5,423.51	885.17
Riverside.....	40.00	141,735.83	449.7	237.84	4,243.92	7,157.81	1,021.10
Rockwood.....	55.00	26,260.64	58.4	30.89	815.06	1,287.01	258.50
Rodney.....	48.00	35,076.47	93.6	49.50	1,330.50	1,726.95	300.04
St. Catharines...	20.00	1,230,535.78	5,610.4	2,967.33	18,747.83	63,962.85	5,814.60
St. Clair Beach..	50.00	18,098.26	53.2	28.14	544.14	909.17	140.76
St. George.....	40.00	33,932.71	79.5	42.05	937.25	1,675.84	325.35
St. Jacobs.....	40.00	40,143.47	123.4	65.27	893.18	1,860.02	262.47
St. Marys.....	35.00	282,016.75	894.3	472.99	7,902.37	14,066.96	2,071.16
St. Thomas.....	30.00	1,063,739.96	3,938.1	2,082.85	23,751.62	53,751.20	6,747.92
Sandwich:							
To May 31...	33.00						
To Oct. 31....	37.50	604,852.95	1,835.3	970.69	11,135.57	29,818.36	4,328.72
Sarnia.....	35.00	1,400,128.70	4,296.9	2,272.62	26,994.52	69,822.85	10,505.23
Scarboro twp...	33.00	313,351.72	1,049.4	7,198.47	12,951.38	15,833.78	1,928.92
Seaforth.....	40.00	144,578.53	416.7	220.39	2,992.96	7,107.95	1,182.60
Simcoe.....	31.00	201,578.72	660.4	349.28	4,186.63	10,204.52	1,498.20
Springfield.....	75.00	27,789.09	47.6	25.17	1,030.53	1,257.92	271.82
Stamford twp...	20.00	156,210.81	766.0	405.14	3,064.14	8,169.92	649.98
Stouffville.....	70.00	46,899.13	85.6	45.27	634.08	2,306.28	476.49
Stratford.....	30.00	1,510,088.50	5,286.4	2,795.96	30,314.72	76,186.76	10,141.55
Strathroy.....	38.00	211,526.83	626.0	331.09	4,592.75	10,566.13	1,715.53
Streetsville.....	.....	146,832.04	446.7	236.25	3,897.88	7,344.58	1,151.98
Sutton.....	70.00	36,087.82	80.1	42.36	1,701.83	1,768.45	323.04

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1925

fixed charges				Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies	Sinking fund	Totals	Companies' balance			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
402.48	1,733.97	13,504.87	614.86	14,119.73	15,463.48	1,343.75	.....
509.99	2,410.18	20,108.03	877.04	20,985.07	18,747.87	.....	2,237.20
2,712.89	11,524.46	84,730.63	4,800.14	89,530.77	95,298.75	5,767.98	.....
2,881.48	13,879.71	106,574.24	9,327.07	115,901.31	111,102.60	.....	4,798.71
153.37	777.82	6,456.08	404.52	6,860.60	6,959.28	98.68	.....
270.81	1,195.03	9,810.83	446.98	10,257.81	10,650.00	392.19	.....
274.86	1,148.46	8,357.58	385.63	8,743.21	8,933.46	190.25	.....
59.58	267.53	2,528.52	83.41	2,611.93	2,762.03	150.10	.....
312.38	1,350.81	10,652.34	434.89	11,087.23	12,663.52	1,576.29	.....
898.44	3,855.22	28,718.46	1,711.77	30,430.23	31,798.95	1,368.72	.....
179.54	898.01	6,414.31	143.55	6,557.86	5,985.51	.....	572.35
908.76	3,845.47	29,315.84	1,290.02	30,605.86	33,480.18	2,874.32	.....
72.26	355.54	2,701.17	59.84	2,761.01	3,562.50	801.49	.....
563.64	2,466.04	21,069.54	894.11	21,963.65	23,666.12	1,702.47	.....
554.01	2,425.06	20,204.74	1,203.74	21,408.48	21,508.63	100.15	.....
254.39	1,075.08	8,659.69	420.99	9,080.68	9,395.98	315.30	.....
181.02	833.60	6,937.32	368.86	7,306.18	6,981.91	.....	324.27
174.16	793.50	6,028.23	225.00	6,253.23	6,702.36	449.13	.....
267.79	1,187.68	10,478.00	373.69	10,851.69	11,129.08	277.39	.....
1,900.45	8,094.86	61,099.38	3,741.32	64,840.70	66,947.45	2,106.75	.....
50.20	249.00	2,002.96	45.64	2,048.60	2,268.71	220.11	.....
51.88	240.19	1,905.60	116.05	2,021.65	1,535.63	.....	486.02
60.74	292.37	2,473.44	91.12	2,564.56	2,839.40	274.84	.....
325.51	1,416.63	10,917.15	470.71	11,387.86	12,459.10	1,071.24	.....
416.05	1,805.80	14,882.52	679.54	15,562.06	17,988.96	2,426.90	.....
76.70	357.81	2,825.97	88.25	2,914.22	3,213.78	299.56	.....
99.77	456.07	3,962.83	141.44	4,104.27	4,493.60	389.33	.....
2,932.37	14,286.82	108,711.80	8,477.84	117,189.64	112,208.54	.....	4,981.10
52.89	234.41	1,909.51	80.39	1,989.90	2,662.45	672.55	.....
103.19	458.96	3,542.64	120.13	3,662.77	3,179.64	.....	483.13
109.12	462.25	3,652.31	186.47	3,838.78	4,936.64	1,097.86	.....
877.56	3,601.53	28,992.57	1,351.37	30,343.94	31,300.24	956.30	.....
3,073.58	13,072.35	102,479.52	5,950.84	108,430.36	118,143.24	9,712.88	.....
1,778.32	7,537.81	55,569.47	2,773.31	58,342.78	66,918.68	8,575.90	.....
4,073.24	17,846.17	131,514.63	6,493.02	138,007.65	150,392.15	12,384.50	.....
826.40	3,920.89	42,659.84	1,585.74	44,245.58	42,920.32	.....	1,325.26
419.53	1,881.43	13,804.86	629.67	14,434.53	16,668.36	2,233.83	.....
581.44	2,558.90	19,378.97	997.92	20,376.89	20,473.20	96.31	.....
73.66	355.75	3,014.85	71.92	3,086.77	3,569.95	483.18	.....
363.87	1,767.82	14,420.87	1,157.57	15,578.44	15,320.79	.....	257.65
126.77	652.04	4,240.93	129.35	4,370.28	5,989.04	1,618.76	.....
4,486.99	18,808.45	142,734.43	7,988.25	150,722.68	158,590.75	7,868.07	.....
591.06	2,742.04	20,538.60	945.94	21,484.54	23,094.91	1,610.37	.....
442.24	1,888.66	14,961.59	675.01	15,636.60	15,779.26	142.66	.....
98.93	482.27	4,416.88	121.04	4,537.92	5,608.12	1,070.20	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
					Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Tavistock	43.00	107,217.08	304.6	161.10	2,365.18	5,350.80	887.45
Tecumseh	45.00	45,858.88	137.7	72.83	1,410.40	2,306.19	349.54
Thamesford	47.00	42,083.02	106.3	56.22	1,229.92	2,068.56	380.78
Thamesville	50.00	41,839.43	117.2	61.99	1,288.43	2,083.77	347.16
Thedford	80.00	34,798.63	44.3	23.43	919.49	1,695.02	413.77
Thorndale	70.00	23,989.82	45.4	24.01	1,101.35	1,155.26	252.86
Thorold	20.00	167,594.21	742.1	392.49	3,325.98	8,728.02	847.86
Tilbury	40.00	114,203.01	340.0	179.83	3,747.60	5,725.15	899.52
Tillsonburg	40.00	182,447.67	561.6	297.03	4,463.87	9,069.86	1,434.59
Toronto	24.00	44,283,320.77	156,099.9	82,560.90	606,835.17	2231599.77	252,886.15
Toronto twp	30.00	179,264.72	614.0	324.74	5,692.16	8,973.81	1,215.61
Walkerville	33.00	1,131,607.99	3,732.0	1,973.85	17,611.65	56,325.75	7,804.37
Wallaceburg	35.00	344,631.76	1,063.0	562.22	7,339.49	17,243.21	2,625.36
Wardsville	77.00	9,082.93	13.5	7.14	310.86	440.51	102.53
Waterdown	40.00	71,059.49	210.7	111.44	1,900.03	3,543.01	580.76
Waterford	34.00	73,367.73	235.5	124.56	2,019.04	3,695.53	556.53
Waterloo	28.00	632,643.13	2,269.5	1,200.33	11,222.15	31,312.41	3,974.92
Watford	60.00	53,044.06	115.0	60.82	1,537.65	2,609.78	514.73
Welland	23.00	563,413.53	2,477.2	1,310.18	10,808.77	29,085.40	2,974.00
Wellesley	44.00	51,485.94	119.3	63.10	1,265.52	2,501.34	482.39
West Lorne	40.00	101,378.09	300.9	159.15	3,630.76	5,023.38	793.77
Weston	28.00	566,674.35	2,035.5	1,076.57	9,112.07	28,677.97	3,673.81
Wheatley	91.00	30,779.13	58.2	30.78	653.71	1,518.99	318.68
Windsor	30.00	4,648,353.60	15,520.5	8,208.75	71,394.64	235,112.13	31,698.70
Woodbridge	36.00	74,356.49	224.4	118.68	1,896.79	3,716.08	583.28
Woodstock	28.00	847,449.87	3,282.8	1,736.26	17,335.87	43,135.47	5,100.26
Wyoming	62.00	22,485.93	47.6	25.18	571.16	1,099.43	221.01
York East twp	35.00	206,733.72	709.4	375.20	9,263.88	10,437.68	1,209.72
York North twp.	35.00	112,167.21	371.4	196.43	3,761.27	5,678.43	703.77
Zurich	68.00	46,019.66	77.5	40.99	1,169.29	2,235.99	503.60
Toronto & York Railway	.....	1,165,483.44	3,532.2	1,868.17	32,666.66	58,427.10	8,222.59
Sandwich, Windsor & Amherstburg Rly	.....	218,859.01	677.7	358.43	3,825.03	11,050.87	1,612.38
RURAL POWER DISTRICTS							
Amherstburg—Anderson and Malden twps		105,424.13	264.3	139.79	2,575.79	5,174.92	931.97
Aylmer—Dorchester S., Malahide and Yarmouth twps.		5,406.15	16.6	8.78	216.06	288.74	49.56
Baden—Wilmot twp		8,837.09	25.6	13.54	369.75	430.40	70.34
Barton—Ancaster, Barton, and Glanford twps		6,010.61	21.4	11.32	209.33	307.15	40.66
Beamsville—Clinton, Grimsby N., and Louth twps		79,916.60	263.6	139.42	1,832.91	4,055.17	604.72

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1925

fixed charges				Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies	Sinking fund	Totals	Companies' balance			Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
329.30	1,399.23	10,493.06	460.27	10,953.33	13,098.47	2,145.14	.....
134.38	591.32	4,864.66	208.08	5,072.74	6,196.85	1,124.11	.....
121.64	558.75	4,415.87	160.63	4,576.50	4,995.66	419.16	.....
129.53	547.69	4,458.57	177.10	4,635.67	5,859.94	1,224.27	.....
96.85	501.94	3,650.50	66.94	3,717.44	3,541.29	.....	176.15
68.61	332.56	2,934.65	68.60	3,003.25	3,177.63	174.38	.....
426.46	1,971.72	15,692.53	1,121.38	16,813.91	14,841.19	.....	1,972.72
348.95	1,476.88	12,377.93	513.77	12,891.70	13,599.55	707.85	.....
503.83	2,347.13	18,116.31	848.63	18,964.94	22,466.59	3,501.65	.....
116,950.80	547,801.34	3,838,634.13	235,881.60	4074515.73	3917131.46	.....	157,384.27
528.49	2,213.16	18,947.97	927.81	19,875.78	18,421.25	.....	1,454.53
3,326.03	14,289.07	101,330.72	5,639.40	106,970.12	123,290.20	16,320.08	.....
1,056.13	4,422.83	33,249.24	1,606.29	34,855.53	37,205.96	2,350.43	.....
26.06	128.19	1,015.29	20.40	1,035.69	1,040.10	4.41	.....
205.73	919.56	7,260.53	318.39	7,578.92	8,427.99	849.07	.....
220.80	935.70	7,552.16	355.86	7,908.02	8,007.83	99.81	.....
1,791.00	7,614.10	57,114.91	3,429.43	60,544.34	63,953.60	3,409.26	.....
154.72	720.76	5,598.46	173.78	5,772.24	6,899.00	1,126.76	.....
1,409.41	6,626.42	52,214.18	3,743.28	55,957.46	57,171.56	1,214.10	.....
147.61	684.88	5,144.84	180.27	5,325.11	5,248.94	.....	76.17
292.27	1,288.38	11,187.71	454.69	11,642.40	12,034.76	392.36	.....
1,580.75	7,026.56	51,147.73	3,075.83	54,223.56	56,993.31	2,769.75	.....
90.12	427.86	3,040.14	87.95	3,128.09	5,294.65	2,166.56	.....
13,786.65	58,636.03	418,836.90	23,452.93	442,289.83	471,576.35	29,286.52	.....
217.94	960.18	7,492.95	339.09	7,832.04	8,077.62	245.58	.....
2,387.21	10,300.66	79,995.73	4,960.62	84,956.35	91,919.73	6,963.38	.....
64.78	306.60	2,288.16	71.93	2,360.09	2,951.15	591.06	.....
543.57	2,552.45	24,382.50	1,071.97	25,454.47	24,828.39	.....	626.08
304.28	1,409.62	12,053.80	561.22	12,615.02	12,998.35	383.33	.....
126.96	642.60	4,719.43	117.11	4,836.54	5,272.79	436.25	.....
3,167.38	14,918.42	119,270.32	5,337.49	124,607.81	125,048.75	440.94	.....
641.35	2,797.94	20,286.00	1,024.06	21,310.06	21,896.39	586.33	.....
331.73	1,406.73	10,560.93	399.38	10,960.31	10,960.31	.....	.....
17.28	77.04	657.46	25.09	682.55	682.55	.....	.....
27.19	112.44	1,023.66	38.69	1,062.35	1,062.35	.....	.....
18.03	74.71	661.20	32.34	693.54	693.54	.....	.....
213.09	1,016.33	7,861.64	398.32	8,259.96	8,259.96	.....	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Belle River—Maidstone and Rochester twps	41,767.18	114.0	60.29	1,429.93	2,085.92	346.40
Blenheim—Harwich and Raleigh twps	4,029.85	11.7	6.19	145.51	202.99	32.37
Bolton—Albion twp	427.10	0.8	0.42	7.56	17.52	4.50
Bond Lake—King, Markham Vaughan, Whitchurch twps	66,032.34	197.4	104.40	1,738.50	3,322.73	470.27
Bothwell—Ekfrid and Mosa twps	2,968.36	5.4	2.86	90.80	144.49	31.05
Brampton—Chinguacousy and Toronto twps	1,186.15	4.0	2.12	65.88	60.07	8.41
Brant—Brantford and Dumfries twps	17,821.70	63.9	33.80	643.86	903.61	119.72
Caledonia—Oneida twp	393.25	0.2	0.11	18.38	4.25	0.82
Chatham—Dover, Harwich and Raleigh twps	19,708.85	67.3	35.59	759.99	986.28	134.60
Chippawa—Bertie and Willoughby twps	18,493.28	78.6	41.57	358.07	951.57	103.66
Delaware — Caradoc, Delaware, Lobo, London, Westminster twps	19,301.95	55.8	29.51	541.49	965.26	159.63
Dorchester—Dorchester N., Dorchester S., London, Nissouri E., Nissouri W., Oxford N., Westminster, Yarmouth twps	28,895.29	86.2	45.59	965.85	1,424.55	230.31
Drumbo—Blandford and Blenheim twps	11,062.77	23.1	12.22	327.36	543.77	112.58
Dundas—Ancaster, Beverley and Flamboro W. twps	16,929.38	59.9	31.68	366.64	848.12	114.51
Essex—Gosfield N. twp	9,310.12	15.2	8.04	221.99	347.52	102.31
Exeter—Hay, Stephen, Tuckersmith and Usborne twps.	18,708.44	46.8	24.75	384.23	924.64	170.70
Galt—Dumfries N. twp	6,929.61	25.5	13.49	146.37	351.30	44.23
Georgetown—Esquesing twp.	3,282.20	9.1	4.81	100.41	165.64	28.15
Goderich — Colborne and Goderich twps	3,605.44	8.3	4.39	89.81	179.98	34.44
Grantham — Grantham, Louth and Niagara twps.	39,241.17	164.9	87.21	1,232.46	1,951.47	209.40
Guelph—Guelph and Puslinch twps	3,107.62	10.3	5.45	216.57	140.98	17.25
Haldimand—Walpole, Rainham and Cayuga N. twps.	1,231.07	2.6	1.38	61.20	61.22	12.47
Harrow—Colchester S. twp	2,009.20	4.0	2.12	46.94	95.40	20.32
Ingersoll—Oxford N. twp	109.99	0.4	0.21	2.28	3.62	0.72
Jordan—Grantham, Louth and Thorold twps	5,134.26	20.5	10.84	215.83	258.38	30.33
Keswick—Georgina, Gwillimbury N. twp	25,651.34	62.5	33.06	1,167.24	1,256.65	214.47
Kingsville—Gosfield S. and Mersea twps	71,806.41	173.4	91.71	1,572.53	3,105.60	649.54
Lansing—Vaughan and York North twps	6,600.19	22.0	11.64	234.02	331.25	41.02

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1925

fixed charges		Totals	Companies' balance	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
127.46	548.91	4,598.91	172.26	4,771.17	4,771.17	.....	.....
12.02	52.29	451.37	17.68	469.05	469.05	.....	.....
1.18	5.94	37.12	1.21	38.33	38.33	.....	.....
179.93	849.37	6,665.20	298.29	6,963.49	6,963.49	.....	.....
8.40	40.90	318.50	8.16	326.66	326.66	.....	.....
3.35	14.92	154.75	6.04	160.79	160.79	.....	.....
52.73	221.33	1,975.05	96.56	2,071.61	2,071.61	.....	.....
0.30	1.14	25.00	0.30	25.30	25.30	.....	.....
58.63	247.10	2,222.19	101.70	2,323.89	2,323.89	.....	.....
49.77	219.88	1,724.52	118.77	1,843.29	1,843.29	.....	.....
58.71	251.40	2,006.00	84.32	2,090.32	2,090.32	.....	.....
84.64	371.43	3,122.37	130.26	3,252.63	3,252.63	.....	.....
32.26	152.14	1,180.33	34.91	1,215.24	1,215.24	.....	.....
50.71	208.75	1,620.41	90.51	1,710.92	1,710.92	.....	.....
33.16	131.60	844.62	22.97	867.59	867.59	.....	.....
53.60	249.17	1,807.09	70.72	1,877.81	1,877.81	.....	.....
19.82	84.93	660.14	38.53	698.67	698.67	.....	.....
9.42	43.14	351.57	13.75	365.32	365.32	.....	.....
10.13	48.80	367.55	12.54	380.09	380.09	.....	.....
99.01	459.98	4,039.53	249.18	4,288.71	4,288.71	.....	.....
7.90	33.60	421.75	15.56	437.31	437.31	.....	.....
3.68	16.87	156.82	3.93	160.75	160.75	.....	.....
6.22	27.75	198.75	6.04	204.79	204.79	.....	.....
0.31	1.36	8.50	0.60	9.10	9.10	.....	.....
13.92	61.64	590.94	30.98	621.92	621.92	.....	.....
69.75	337.18	3,078.35	94.44	3,172.79	3,172.79	.....	.....
222.01	962.57	6,603.96	262.02	6,865.98	6,865.98	.....	.....
17.85	82.81	718.59	33.25	751.84	751.84	.....	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
London—Delaware, London and Westminster twps....	151,800.17	476.0	251.75	3,441.94	7,436.58	1,089.36
Lynden—Ancaster and Beverly twps.....	12,685.65	34.9	18.46	412.18	630.76	109.90
Markham—Markham and Scarboro twps.....	14,081.20	39.2	250.82	476.56	701.34	107.92
Milton—Esquesing, Nassagaweya and Trafalgar twps..	1,170.29	3.3	1.75	45.32	53.34	8.02
Mount Joy—Markham twp.	1,458.52	3.5	1.85	22.86	72.18	12.59
Newmarket—King twp.....	975.00	3.0	1.59	36.48	48.82	6.72
Niagara—Niagara twp.....	50,021.35	207.1	109.54	1,079.69	2,515.51	268.48
Norwich—Burford, Norwich N. Norwich S. twps.....	25,757.34	80.0	42.31	835.11	1,308.11	200.88
Petrolia—Sarnia twp.....	3,627.62	9.7	5.13	94.38	180.16	30.71
Preston—Waterloo twp.....	54,974.77	182.2	96.37	972.65	2,765.51	399.89
Ridgetown—Harwich, Howard and Oxford twps.....	20,737.18	57.0	30.15	517.44	1,028.91	174.67
St. Jacobs—Wellesley and Woolwich twps.....	34,320.43	105.5	55.80	646.82	1,592.96	224.40
St. Thomas—Southwold and Yarmouth twps.....	42,386.51	143.0	75.63	1,079.51	2,144.88	301.43
Saltfleet—Barton, Grimsby N. and Saltfleet twps.....	64,567.82	216.0	114.24	984.91	3,228.15	468.90
Sandwich—Sandwich E., S., and W. twps.....	128,808.98	379.1	200.51	2,782.34	6,227.00	931.37
Sarnia—Moore and Sarnia twps.....	22,873.76	67.8	35.86	886.09	1,143.73	177.47
Scarboro—Scarboro and York North twps.....	3,027.93	8.8	36.39	102.90	142.05	19.23
Simcoe—Woodhouse twp....	3,938.37	10.2	5.39	138.19	195.34	35.51
Stamford—Stamford and Thorold twps.....	13,028.05	62.6	33.11	476.91	679.14	57.05
Stratford—Downie and Ellice twps.....	31,729.30	110.2	58.28	642.81	1,607.13	215.16
Streetsville—Toronto twp...	295.97	1.0	0.53	26.08	14.65	2.10
Tavistock—Easthope N. and Easthope S. twps.....	8,764.62	24.9	13.17	183.61	437.62	72.54
Tilbury—Raleigh and Tilbury E. twps.....	673.72	1.9	1.00	58.25	33.86	5.56
Tillsonburg—Bayham, Dereham, Middleton, Norwich N. and Norwich S. twps...	22,107.23	66.0	34.91	724.31	1,117.71	178.58
Wallaceburg—Chatham, Dover and Sombra twps.....	29,600.08	91.3	48.29	628.71	1,490.82	225.48
Walton—Grey, McKillop and Norris twps.....	3,838.52	7.8	4.13	99.10	190.64	39.12
Waterdown—Flamboro E. and Nelson twps.....	5,797.98	17.7	9.36	219.23	291.06	46.22

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1925

fixed charges		Totals	Companies' balance	Total cost of power for year as provided to be paid under Section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
447.14	1,861.10	14,527.87	719.28	15,247.15	15,247.15	.....	.....
36.40	166.58	1,374.28	52.73	1,427.01	1,427.01	.....	.....
38.19	183.80	1,758.63	59.23	1,817.86	1,817.86	.....	.....
3.01	13.44	124.88	4.99	129.87	129.87	.....	.....
4.04	19.49	133.01	5.29	138.30	138.30	.....	.....
2.63	12.46	108.70	4.53	113.23	113.23	.....	.....
123.35	574.50	4,671.07	312.94	4,984.01	4,984.01	.....	.....
75.27	330.73	2,792.41	120.89	2,913.30	2,913.30	.....	.....
11.88	47.57	369.83	14.66	384.49	384.49	.....	.....
171.39	694.19	5,100.00	275.31	5,375.31	5,375.31	.....	.....
62.37	272.44	2,085.98	86.13	2,172.11	2,172.11	.....	.....
93.29	395.19	3,008.46	159.42	3,167.88	3,167.88	.....	.....
130.41	533.38	4,265.24	216.09	4,481.33	4,481.33	.....	.....
201.51	815.08	5,812.79	326.40	6,139.19	6,139.19	.....	.....
384.03	1,595.76	12,121.01	572.85	12,693.86	12,693.86	.....	.....
67.24	293.79	2,604.18	102.45	2,706.63	2,706.63	.....	.....
8.13	36.07	344.77	13.30	358.07	358.07	.....	.....
11.61	52.40	438.44	15.41	453.85	453.85	.....	.....
31.56	148.55	1,426.32	94.60	1,520.92	1,520.92	.....	.....
94.78	395.99	3,014.15	166.52	3,180.67	3,180.67	.....	.....
0.87	3.72	47.95	1.51	49.46	49.46	.....	.....
26.92	114.38	848.24	37.63	885.87	885.87	.....	.....
2.01	8.80	109.48	2.87	112.35	112.35	.....	.....
62.54	286.25	2,404.30	99.73	2,504.03	2,504.03	.....	.....
90.71	379.86	2,863.87	137.96	3,001.83	3,001.83	.....	.....
11.50	52.89	397.38	11.79	409.17	409.17	.....	.....
16.85	74.57	657.29	26.75	684.04	684.04	.....	.....

NIAGARA

Statement showing the amount to be paid by each Municipality as the Cost (under Section Commission from each Municipality on account of such cost—and the amount ment (by annual adjustment) of the actual cost of power

Rural power district	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power purchased	Share of operating costs and		
				Operating maintenance and administrative expenses	Interest	Renewals
	$ c.		$ c.	$ c.	$ c.	$ c.
Waterford—Townsend and Windham twps.....	5,514.30	17.7	9.36	123.95	274.50	41.84
Welland — Crowland, Humberstone, Pelham, Thorold and Wainfleet twps.....	135,330.62	519.5	274.76	4,582.67	6,928.83	871.27
Woodbridge—Albion, Toronto, Gore, Vaughan and York North twps.....	48,572.25	141.7	74.94	1,063.32	2,451.03	392.60
Woodstock—Blandford, Oxford E., Oxford W., and Zorra E. twps.....	41,686.02	155.8	82.40	879.66	2,106.08	264.05
Totals—Municipalities..	96,276,868.14	338,956.1	186,241.81	1607612.98	4850888.42	600,970.87
Totals—Rural Power Districts.....	1,635,490.64	5,169.7	2,996.08	42,619.52	80,929.56	12,120.45
Totals—Hydro-Electric Railways.....	1,384,342.45	4,209.9	2,226.60	36,491.69	69,477.97	9,834.97
Totals—Companies....	49,462,051.41	223,698.1	118,313.34	861,145.90	2588856.82	236,218.66
	148758752.64					
Non-operating capital...	3,746,016.62					
Grand totals.....	152504769.26	572,033.8	309,777.83	2547870.09	7590152.77	859,144.95

The Commission supplies power to and operates the rural power districts. Revenue derived therefrom is applied to meet the cost of providing the power generated and transmitted to each of the rural districts as shown in above table of costs.

The results of the operations in rural power districts are shown in operating reports on pages 158 to 161.

SYSTEM—Continued *COST OF POWER*

23 of the Act) of Power supplied to it by the Commission—the amount received by the remaining to be credited or charged to each Municipality upon ascertain- supplied to it in the year ending October 31, 1925

fixed charges							
Contingencies	Sinking fund	Totals	Companies' balance	Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
						Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c	$ c.
16.59	70.33	536.57	26.75	563.32	563.32	.....	.....
356.57	1,656.84	14,670.94	785.02	15,455.96	15,455.96	.....	.....
141.67	631.60	4,755.16	214.12	4,969.28	4,969.28	.....	.....
120.63	511.75	3,964.57	235.43	4,200.00	4,200.00	.....	.....
265,254.90	1192823.88	8,703,792.86	512,194.52	9215987.38	9275264.75	289,900.94	230,623.57
4,739.28	20,647.65	164,052.54	7,811.88	171,864.42	171,864.42	.....	.....
3,808.73	17,716.36	139,556.32	6,361.55	145,917.87	146,945.14	1,027.27	.....
122,369.35	575,288.66	4,502,192.73	(526367.95)	3975824.78	3975824.78	.....	.....
396,172.26	1806476.55	13,509,594.45	.....	13509594.45	13569899.09	.....	.....

NIAGARA SYSTEM—

Operating Report for year

Name of rural power district and townships included therein	Total capital investment in each district and the amount of Government grant applied thereto			Total cost of power for year as provided to be paid under section 23 of Act*
	Total	Government grant	Balance	
	$ c.	$ c.	$ c.	$ c.
Amherstburg — Anderson and Malden twps.	16,440.12	8,220.06	8,220.06	10,960.31
Aylmer—Dorchester S., Malahide and Yarmouth twps.	31,767.24	14,356.32	17,410.92	682.55
Baden—Wilmot twp.	32,605.87	16,302.93	16,302.94	1,062.35
Barton—Ancaster, Barton and Glanford twps.	13,679.17	6,839.58	6,839.59	693.54
Beamsville—Clinton, Grimsby N., and Louth twps.	115,512.74	57,756.37	57,756.37	8,259.96
Belle River—Maidstone and Rochester twps.	29,191.42	14,595.71	14,595.71	4,771.17
Blenheim—Harwich and Raleigh twps	11,964.62	5,299.70	6,664.92	469.05
Bolton—Albion twp.	1,556.35	778.18	778.17	38.33
Bond Lake—King, Markham and Vaughan twps.	69,355.79	33,271.10	36,084.69	6,963.49
Bothwell—Ekfrid and Mosa twps.	1,180.11	590.05	590.06	326.66
Brampton—Chinguacousy and Toronto twps.	2,547.94	1,273.97	1,273.97	160.79
Brant—Brantford and Dumfries twps.	29,969.37	14,705.27	15,264.10	2,071.61
Caledonia—Oneida twp.	6,949.23	3,474.61	3,474.62	25.30
Chatham—Dover, Harwich and Raleigh twps.	52,212.70	26,106.35	26,106.35	2,323.89
Chippawa—Bertie and Willoughby twps.	28,983.76	14,491.88	14,491.88	1,843.29
Delaware—Caradoc, Delaware, Ekfrid, Lobo, London and Westminster twps.	37,429.43	18,636.38	18,793.05	2,090.32
Dorchester—Dorchester N., Dorchester S., London, Nissouri E., Nissouri W., Oxford N., Westminster and Yarmouth twps.	77,300 67	37,325.57	39,975.10	3,252.63
Drumbo—Blandford and Blenheim twps.	14,234.82	6,753.83	7,480.99	1,215.24
Dundas—Ancaster, Beverly and Flamboro twps.	50,402.16	25,201.08	25,201.08	1,710.92
Essex—Gosfield N. twp.	4,235.71	.....	4,235.71	867.59
Exeter—Hay, Stephen, Tuckersmith, Usborne twps.	23,244.24	11,060.57	12,183.67	1,877.81
Galt—Dumfries N. twp.	6,807.56	3,403.78	3,403.78	698.67
Georgetown—Esquesing twp.	6,630.81	3,315.40	3,315.41	365.32
Goderich—Colborne and Goderich twps.	3,595.56	1,797.78	1,797.78	380.09
Guelph—Guelph and Puslinch twps.	18,019.04	9,009.52	9,009.52	437.31
Grantham—Grantham, Louth and Niagara twps.	64,238.90	32,119.45	32,119.45	4,288.71
Haldimand—Walpole, Rainham and Cayuga N. twps.	15,222.72	7,549.11	7,673.61	160.75
Harrow—Colchester S. twp.	720.08	360.04	360.04	204.79
Ingersoll—Oxford N. twp.	822.46	411.23	411.23	9.10
Jordan—Grantham, Louth and Thorold twps.	29,132.08	14,566.04	14,566.04	621.92

*See "cost of power" table on preceding pages.

RURAL POWER DISTRICTS *RURAL OPERATING*

Ending October 31, 1925

Cost of operation maintenance and administration	Interest on capital investment	Renewal charges	Contingencies	Sinking fund	Total cost	Revenue	Credited	Chg'd
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
945.61	371.84	311.82	77.96	139.72	12,807.26	14,842.41	2,035.15	.....
889.45	442.93	371.43	92.86	166.53	2,645.75	2,611.64	.....	34.11
1,215.35	324.06	271.75	67.94	121.77	3,063.22	2,464.97	.....	598.25
761.00	295.69	247.96	61.99	111.10	2,171.28	1,662.94	.....	508.34
7,945.66	2,707.26	2,270.23	567.55	1,017.25	22,767.91	25,346.55	2,578.64	.....
1,124.66	652.66	547.32	136.83	245.24	7,477.88	10,788.23	3,310.35	.....
388.75	313.79	263.14	65.78	118.01	1,618.52	2,266.75	648.23	.....
22.45	37.12	31.13	7.78	13.95	150.76	271.67	120.91	.....
5,533.13	1,611.52	1,351.38	337.85	606.59	16,403.96	23,215.61	6,811.65	.....
175.77	28.05	23.53	5.88	10.54	570.43	498.25	.....	72.18
125.09	60.77	50.96	12.74	22.84	433.19	398.27	.....	34.92
925.76	687.83	576.80	144.19	258.49	4,664.68	6,364.70	1,700.02	.....
37.44	13.44	11.28	2.82	5.05	95.33	75.08	.....	20.25
1,281.78	1,164.01	976.10	244.03	437.38	6,427.19	8,702.30	2,275.11	.....
1,994.57	683.64	573.28	143.32	256.88	5,494.98	5,510.16	15.18	.....
1,339.25	895.12	750.62	187.66	336.35	5,599.32	8,293.69	2,694.37	.....
3,469.93	1,766.50	1,481.35	370.32	663.96	11,004.69	15,144.85	4,140.16	.....
412.08	348.39	292.15	73.04	130.96	2,471.86	3,728.10	1,256.24	.....
4,334.73	1,077.07	903.20	225.80	404.70	8,656.42	9,631.33	974.91	.....
998.48	201.03	84.29	21.07	75.53	2,247.99	3,406.03	1,158.04	.....
1,704.65	579.44	485.91	121.48	217.81	4,987.10	6,332.03	1,344.93	.....
198.34	160.77	134.82	33.70	60.41	1,286.71	1,803.42	516.71	.....
194.08	154.81	129.82	32.46	58.17	934.66	1,434.00	499.34	.....
40.89	35.38	29.67	7.42	13.29	506.74	1,054.70	547.96	.....
271.02	143.16	120.05	30.00	53.79	1,055.33	833.81	.....	221.52
2,630.96	1,439.17	1,206.84	301.71	540.77	10,408.16	11,266.95	858.79	.....
104.55	95.96	80.47	20.12	36.06	497.91	600.19	102.28	.....
173.92	17.17	14.40	3.60	6.45	420.33	356.66	.....	63.67
50.20	19.62	16.45	4.10	7.37	106.84	45.62	.....	61.22
1,093.67	694.80	582.64	145.66	261.07	3,399.76	3,100.47	.....	299.29

NIAGARA SYSTEM—RURAL

Operating Report for year

Name of rural power district and townships included therein	Total capital investment in each district and the amount of Government grant applied thereto			Total cost of power for year as provided to be paid under section 23 of Act*
	Total	Government grant	Balance	
	$ c.	$ c.	$ c.	$ c.
Keswick—Gwillimbury N. and Georgina twp.	40,150.74	18,739.57	21,411.17	3,172.79
Kingsville—Gosfield S. and Mersea twps.	53,647.67	25,495.74	28,151.93	6,865.98
Lansing—Vaughan and York N. twps.	9,572.66	4,786.33	4,786.33	751.84
London—Delaware, London and Westminster twps.	158,691.96	78,768.26	79,923.70	15,247.15
Lynden—Ancaster and Beverly twps.	38,413.21	19,206.61	19,206.60	1,427.01
Markham—Markham and Scarboro twps.	21,848.62	10,924.31	10,924.31	1,817.86
Milton—Esquesing, Nassagaweya and Trafalgar twps.	1,660.19	830.10	830.09	129.87
Mount Joy—Markham twp.	1,839.14	471.34	1,367.80	138.30
Newmarket—King twp.	3,119.74	1,228.10	1,891.64	113.23
Niagara—Niagara twp.	53,925.41	26,630.69	27,294.72	4,984.01
Norwich—Burford, Norwich N. and Norwich S. twps.	47,674.52	22,282.72	25,391.80	2,913.30
Petrolia—Sarnia twp.	3,357.44	1,678.72	1,678.72	384.49
Preston—Waterloo twp.	97,345.98	48,672.99	48,672.99	5,375.31
Ridgetown—Harwich, Howard and Oxford twps.	43,327.92	21,663.96	21,663.96	2,172.11
St. Jacobs—Wellesley and Woolwich twps.	38,454.36	19,227.18	19,227.18	3,167.88
St. Thomas—Wellesley and Woolwich twps.	75,346.01	37,673.01	37,673.00	4,481.33
Saltfleet—Barton, Grimsby N. and Saltfleet twps.	161,683.56	80,841.78	80,841.78	6,139.19
Sandwich—Sandwich E., Sandwich S. and Sandwich W. twps.	103,892.14	51,946.07	51,946.07	12,693.86
Sarnia—Moore and Sarnia twps.	27,512.19	11,763.96	15,748.23	2,706.63
Scarboro—Scarboro, York, York N. twps.	9,185.06	4,373.39	4,811.67	358.07
Simcoe—Woodhouse twp.	4,357.11	1,345.81	3,011.30	453.85
Stamford—Stamford and Thorold twps.	17,903.32	8,951.66	8,951.66	1,520.92
Stratford—Downie and Ellice twps.	9,419.34	4,709.67	4,709.67	3,180.67
Streetsville—Toronto twp.	2,108.11	1,054.05	1,054.06	49.46
Tavistock—Easthope N. and Easthope S. twps.	10,443.44	5,221.72	5,221.72	885.87
Tilbury—Raleigh and Tilbury E. twps.	1,749.02	653.17	1,095.85	112.35
Tillsonburg—Bayham, Dereham, Middleton, Norwich N. and Norwich S. twps.	73,941.18	36,970.59	36,970.59	2,504.03
Wallaceburg—Chatham, Dover and Sombra twps.	55,831.95	27,915.97	27,915.98	3,001.83
Walton—Grey, McKillop and Norris twps.	2,179.52	1,089.76	1,089.76	409.17
Waterdown—Flamboro E. and Nelson twps.	14,283.42	7,141.71	7,141.71	684.04
Waterford—Townsend and Windham twps.	7,350.22	3,675.11	3,675.11	563.32
Welland—Crowland, Humberstone, Pelham, Thorold and Wainfleet twps.	137,032.97	68,516.49	68,516.48	15,455.96
Woodbridge—Albion, Toronto Gore, Vaughan and York N. twps.	54,046.67	25,894.46	28,152.21	4,969.28
Woodstock—Blandford, Oxford E, Oxford W. and Zorra E. twps.	92,931.99	46,466.00	46,465.99	4,200 00
Total	2,270,179.45	1,116,382.86	1,153,796.59	171,864.42

*See "cost of power" table on preceding pages.

POWER DISTRICTS—Continued *RURAL OPERATING*

Ending October 31, 1925

Cost of operation maintenance and administration	Interest on capital investment	Renewal charges	Contingencies	Sinking fund	Total cost	Revenue	Credited	Chg'd
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,270.05	870.41	729.91	182.48	327.26	9,552.90	12,165.96	2,613.06	.....
7,087.05	1,298.08	1,088.54	272.13	487.96	17,099.74	19,689.08	2,589.34	.....
860.28	236.46	198.29	49.58	88.01	2,184.46	2,694.13	509.67	.....
9,300.00	3,602.64	3,021.07	755.27	1,353.73	33,279.86	43,417.26	10,137.40	.....
1,264.50	774.95	649.86	162.47	291.19	4,569.98	5,280.61	710.63	.....
1,016.22	510.54	428.12	107.03	191.84	4,071.61	5,554.35	1,482.74	.....
91.79	31.92	26.77	6.69	12.00	299.04	543.23	244.19	.....
56.67	65.24	54.71	13.67	24.59	353.18	616.06	262.88	.....
326.20	89.62	75.15	18.79	33.73	656.72	554.20	.....	102.52
1,832.77	1,260.31	1,056.88	264.22	473.61	9,871.80	12,802.58	2,930.78	.....
2,249.77	679.74	570.01	142.51	255.65	6,810.98	6,448.80	.....	362.18
186.34	76.84	64.44	16.10	28.87	757.08	707.04	.....	50.04
5,222.98	2,020.12	1,694.02	423.50	759.06	15,494.99	17,383.48	1,888.49	.....
1,149.09	982.80	824.16	206.04	369.29	5,703.49	7,505.86	1,802.37	.....
2,224.42	909.85	762.98	190.75	341.88	7,597.76	9,764.75	2,166.99	.....
7,113.61	1,772.65	1,486.49	371.62	666.07	15,891.77	18,676.91	2,785.14	.....
8,966.54	3,815.81	3,199.82	799.96	1,433.79	24,355.11	25,385.67	1,030.56	.....
10,980.10	2,073.03	1,738.38	434.60	778.94	28,698.91	34,086.13	5,387.22	.....
1,583.71	718.82	602.79	150.70	270.41	6,033.06	7,835.95	1,802.89	.....
257.48	226.55	189.99	47.50	85.16	1,164.75	1,664.50	499.75	.....
267.60	138.39	116.06	29.01	52.12	1,057.03	1,300.43	243.40	.....
3,434.30	413.28	346.57	86.64	155.29	5,957.00	6,348.93	391.93	.....
777.02	220.94	185.27	46.32	83.02	4,493.24	6,207.67	1,714.43	.....
60.00	49.20	41.26	10.32	18.49	228.73	268.18	39.45	.....
431.45	247.39	207.45	51.86	92.96	1,916.98	2,379.88	462.90	.....
55.63	46.87	39.31	9.83	17.65	281.64	436.83	155.19	.....
1,586.02	905.48	759.30	189.83	340.23	6,284.89	8,244.90	1,960.01	.....
2,324.02	1,323.21	1,109.62	277.41	497.20	8,533.29	9,733.17	1,199.88	.....
218.98	45.70	38.33	9.58	17.17	738.93	901.64	162.71	.....
645.89	330.10	276.82	69.20	124.04	2,130.09	2,076.23	.....	53.86
318.69	175.30	147.00	36.75	65.87	1,306.93	975.41	.....	331.52
13,093.21	2,325.21	1,949.84	487.46	873.70	34,185.38	36,415.93	2,230.55	.....
1,977.02	1,169.83	980.97	245.25	439.73	9,782.08	11,384.40	1,602.32	.....
4,855.01	2,201.06	1,845.74	461.44	827.05	14,390.30	18,515.74	4,125.44	.....
136,467.63	48,631.34	40,696.71	10,174.17	18,275.59	426,109.86	510,017.27	86,721.28	2,813.87

Net Credit.....$83,907.41

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1925, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1924		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Acton	Jan., 1913	1,360.22			2,078.16
Agincourt	Nov., 1922	418.88			477.57
Ailsa Craig	Jan., 1916	280.61			997.35
Alvinston	April, 1922	2,121.52			2,894.97
Ancaster township	May, 1923	104.28			442.79
Aylmer	Mar., 1918	2,265.89			2,649.40
Ayr	Jan., 1915	484.44			485.18
Baden	May, 1912	801.46			742.60
Barton township	Mar., 1924	1,103.03			1,534.99
Beachville	Aug., 1912	2,621.89			3,046.13
Belle River	Dec., 1922	2,394.76			2,607.96
Blenheim	Nov., 1915	3,812.08			3,878.41
Blyth	July, 1924	257.57			401.82
Bolton	Feb., 1915		702.74	672.81	
Bothwell	Sept., 1915	1,419.35			860.54
Brampton	Nov., 1911	1,824.45			1,824.45
Brantford	Feb., 1914	4,884.73			16,327.21
Brantford township	May, 1924	10.23			10.23
Brigden	Jan., 1918	156.01			129.82
Brussels	July, 1924	220.99			408.87
Burford	June, 1915	932.13			1,209.66
Burgessville	Nov., 1916	427.19			530.60
Caledonia	Oct., 1912	248.74			378.26
Campbellville	Jan., 1925				
Cayuga	Nov., 1924				
Chatham	Feb., 1915	13,608.15			19,253.41
Chippawa	Sept., 1919	277.74			278.39
Clifford	May, 1924	219.23			357.10
Clinton	Mar., 1914	3,250.55			4,287.19
Comber	May, 1915	1,045.46			1,664.02
Courtright	Dec., 1923	431.20			663.02
Dashwood	Sept., 1917		97.98	49.23	
Delaware	Mar., 1915	332.87			334.28
Dereham township	Sept., 1919		2,801.87	2,551.09	
Dorchester	Dec., 1914	356.72			415.77
Drayton	May, 1918	122.48			191.97
Dresden	April, 1915	599.94			556.82
Drumbo	Dec., 1914	709.10			731.94
Dublin	Oct., 1917		671.76		166.69
Dundas	Jan., 1911	166.69			166.69
Dunnville	June, 1918	1,195.01			2,225.55
Dutton	Sept., 1915	846.42			844.39
East York township	July, 1925				
Elmira	Nov., 1913	3,443.41			4,708.80
Elora	Nov., 1914	958.48			1,189.14

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
25.61	.....	513.61	.....	.....	178.72
9.24	.....	122.53	.....	73.08	.....
5.32	.....	.....	260.80	.....	972.22
48.23	.....	1,743.12	.....	1,017.90	.....
2.00	.....	.....	147.10	.....	483.61
45.65	.....	1,708.08	.....	1,370.22	.....
9.72	.....	638.45	.....	647.43	.....
15.48	.....	610.12	.....	684.46	.....
.....	6.56	.....	325.38	.....	763.90
52.69	.....	1,426.48	.....	1,054.93	.....
73.29	.....	1,109.64	.....	969.73	.....
70.39	.....	3,595.53	.....	3,599.59	.....
4.82	.....	962.21	.....	822.78	.....
.....	16.19	89.25	.....	43.13	.....
29.15	.....	1,180.23	.....	1,768.19	.....
34.87	.....	1,224.60	.....	1,259.47	.....
85.64	.....	.....	9,863.66	.....	21,220.50
.20	.....	.....	300.84	.....	300.64
3.04	.....	1,280.10	.....	1,309.33	.....
4.14	.....	1,425.36	.....	1,241.62	.....
19.57	.....	791.62	.....	533.66	.....
9.75	.....	103.26	.....	9.60	.....
4.65	.....	186.34	.....	61.47	.....
.....	.....	570.83	.....	570.83	.....
.....	.....	368.90	.....	368.90	.....
193.87	.....	11,108.61	.....	5,657.22	.....
5.17	.....	1,480.58	.....	1,485.10	.....
4.11	.....	1,174.59	.....	1,040.83	.....
70.50	.....	3,434.58	.....	2,468.44	.....
19.60	.....	349.38	.....	.....	249.58
8.99	.....	393.03	.....	170.20	.....
.....	2.44	89.46	.....	38.27	.....
6.48	.....	443.48	.....	448.55	.....
.....	95.88	.....	375.64	.....	722.30
7.05	.....	327.42	.....	275.42	.....
2.25	.....	470.23	.....	402.99	.....
11.70	.....	792.86	.....	847.68	.....
15.97	.....	.....	88.29	.....	95.16
.....	26.87	418.62	.....	.....	446.70
2.92	.....	.....	1,531.35	.....	1,528.43
22.39	.....	.....	1,178.52	.....	2,186.67
16.02	.....	732.12	.....	750.17	.....
.....	.....	.....	626.08	.....	626.08
61.36	.....	1,433.63	.....	229.60	.....
18.09	.....	638.40	.....	425.83	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1925, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1924		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Embro	Jan., 1915	163.42			186.19
Erieau	July, 1924	135.44			161.55
Erie Beach	July, 1925				
Essex	Nov., 1923	1,923.42			1,923.42
Etobicoke township	Aug., 1917	1,473.82			3,991.90
Exeter	June, 1916	3,087.00			1,719.31
Fergus	Nov., 1914	864.77			1,555.10
Ford City	Nov., 1922	7,569.15			7,563.22
Forest	Mar., 1917	656.96			448.67
Galt	May, 1911	13,667.91			13,667.91
Georgetown	Sept., 1913	1,814.27			3,181.05
Glencoe	Aug., 1920	1,087.21			1,761.24
Goderich	Feb., 1914	8,808.90			11,112.89
Grantham township	May, 1915		2,022.62	2,592.75	
Granton	July, 1916	131.72			223.81
Guelph	Dec., 1910	11,781.73			11,781.73
Hagersville	Sept., 1913	2,424.92			4,111.51
Hamilton	Feb., 1911		19,957.90	477.82	
Harriston	July, 1916	1,331.04			1,906.81
Harrow	Nov., 1923	1,383.77			1,383.77
Hensall	Jan., 1917	841.49			195.77
Hespeler	Feb., 1911	3,014.64			3,014.64
Highgate	Dec., 1916	366.29			131.96
Humberstone	Oct., 1924		3.15	3.15	
Ingersoll	May, 1911	7,717.77			7,717.77
Jarvis	Feb., 1924	640.09			887.92
Kingsville	Nov., 1923	2,553.77			2,553.77
Kitchener	Jan., 1911	22,340.00			22,340.00
Lambeth	April, 1915	1,193.03			1,392.08
Leamington	Nov., 1923	5,563.73			5,563.73
Listowel	June, 1916	1,175.31			2,146.84
London	Jan., 1911	7,877.61			7,859.45
London township	Jan., 1925				
London Railway Commission	Aug., 1914		33,706.85	561.01	
Louth township	April, 1925				
Lucan	Feb., 1915	113.71			106.36
Lynden	Nov., 1915	964.68			881.95
Markham	April, 1920	1,279.22			1,779.17
Merlin	Dec., 1922	1,029.37			1,469.28
Merritton	Nov., 1920		717.08	734.39	
Milton	April, 1913	667.99			3,171.57
Milverton	June, 1916	1,123.23			2,011.58
Mimico	May, 1912	2,471.22			3,869.80
Mitchell	Sept., 1911	1,163.76			1,163.76
Moorefield	Mar., 1918	88.65			191.20

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3.06	.....	465.55	.....	445.84	.....
2.65	.....	503.53	.....	480.07	.....
.....	.....	5.92	.....	5.92	.....
41.64	.....	2,014.19	.....	2,055.83	.....
27.61	.....	.....	859.92	.....	3,350.39
59.00	.....	1,906.29	.....	3,332.98	.....
16.25	.....	.....	147.34	.....	821.42
136.86	.....	7,090.55	.....	7,233.34	.....
10.81	.....	858.98	.....	1,078.08	.....
250.90	.....	11,621.53	.....	11,872.43	.....
30.85	.....	646.55	.....	.....	689.38
22.25	.....	254.59	.....	.....	397.19
183.39	.....	7,718.36	.....	5,597.76	.....
.....	49.20	.....	.....	520.93	.....
2.47	.....	100.22	.....	10.60	.....
200.13	.....	8,305.58	.....	8,505.71	.....
48.53	.....	1,376.54	.....	.....	261.52
.....	798.32	.....	18,675.51	.....	38,953.91
23.19	.....	2,283.45	.....	1,730.87	.....
30.66	.....	1,164.14	.....	1,194.80	.....
18.04	.....	906.37	.....	1,570.13	.....
57.10	.....	2,806.23	.....	2,863.33	.....
6.63	.....	462.81	.....	703.77	.....
.....	0.08	75.91	.....	75.83	.....
134.47	.....	6,707.42	.....	6,841.89	.....
12.39	.....	1,377.80	.....	1,142.36	.....
51.40	.....	1,848.26	.....	1,899.66	.....
379.48	.....	17,395.33	.....	17,774.81	.....
27.50	.....	1,238.93	.....	1,067.38	.....
127.86	.....	5,148.87	.....	5,276.73	.....
21.76	.....	1,638.15	.....	688.38	.....
133.80	.....	.....	7,343.89	.....	7,191.93
.....	.....	.....	201.11	.....	201.11
.....	1,348.27	.....	10,915.10	.....	45,409.21
.....	.....	8.54	.....	8.54	.....
1.92	.....	414.15	.....	423.42	.....
19.90	.....	373.80	.....	476.43	.....
28.12	.....	580.34	.....	108.51	.....
21.77	.....	1,084.57	.....	666.43	.....
.....	13.08	.....	985.46	.....	981.23
12.37	.....	.....	268.05	.....	2,759.26
18.08	.....	1,617.74	.....	747.47	.....
46.31	.....	4,198.83	.....	2,846.56	.....
19.76	.....	1,251.74	.....	1,271.50	.....
1.65	.....	403.49	.....	302.59	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1925, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1924		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Mount Brydges	Mar., 1915	269.63		3.55	
Newbury	Mar., 1921	441.80			595.72
New Hamburg	Mar., 1911	1,522.27			1,522.27
Newmarket	April, 1925				
New Toronto	Feb., 1914	4,522.36			6,638.65
Niagara Falls	Dec., 1915		18,626.88	1,616.69	
Niagara-on-Lake	Aug., 1919	198.05			330.89
Norwich	May, 1912	1,601.70			1,793.98
Oil Springs	Feb., 1918	1,143.93			1,592.04
Otterville	Feb., 1916	416.60			642.23
Palmerston	July, 1916	1,320.81			2,035.21
Paris	Feb., 1914	2,705.85			4,526.46
Parkhill	May, 1920	829.08			1,522.24
Petrolia	May, 1916	4,791.03			5,957.96
Plattsville	Dec., 1914		544.99	674.17	
Point Edward	Nov., 1916	1,177.74			1,186.39
Port Colborne	Mar., 1920		581.23	598.15	
Port Credit	Aug., 1912	611.85			941.84
Port Dalhousie	Nov., 1912	21.72		131.56	
Port Dover	Dec., 1921	1,632.15			2,099.16
Port Robinson	Mar., 1913		999.51	63.96	
Port Stanley	April, 1912	1,278.50			1,358.91
Preston	Jan., 1911	3,401.49			3,013.34
Princeton	Jan., 1915	439.04			437.52
Queenston	Mar., 1921		305.03		52.93
Richmond Hill	June, 1925				
Ridgetown	Dec., 1915	1,522.33			1,647.50
Riverside	Nov., 1922	2,474.53			2,471.26
Rockwood	Sept., 1913	352.46			522.80
Rodney	Feb., 1917	275.57			254.75
St. Catharines	April, 1914	87.27		136.97	
St. Clair Beach	Nov., 1922	963.08			963.08
St. George	Sept., 1915		77.98	172.66	
St. Jacobs	Sept., 1917		41.56	85.90	
St. Mary's	May, 1911	1,487.63			1,487.63
St. Thomas	April, 1911	13,158.96			13,158.96
Sandwich	Feb., 1924	878.15			2,798.23
Sarnia	Dec., 1916	17,630.16			25,165.84
Scarboro township	Aug., 1918	4,297.41			4,401.61
Seaforth	Nov., 1911	2,382.09			2,382.09
Simcoe	Aug., 1915	2,273.82			4,003.51
Springfield	Aug., 1917		220.62	46.67	
Stamford township	Nov., 1916		600.29	636.57	
Stouffville	Sept., 1923	1,954.95			2,367.78
Stratford	Jan., 1911	7,147.37			7,147.37

S YSTEM—Continued *CREDIT OR CHARGE*

s upplied to it to October 31, 1924, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5.32	.....	386.87	.....	665.37	.....
9.12	.....	95.99	.....	.....	48.81
30.20	.....	1,343.75	.....	1,373.95	.....
.....	.....	.....	2,237.20	.....	2,237.20
82.26	.....	5,767.98	.....	3,733.95	.....
.....	652.55	.....	4,798.71	.....	22,461.45
5.41	.....	98.68	.....	.....	28.75
31.41	.....	392.19	.....	231.32	.....
23.14	.....	190.25	.....	.....	234.72
8.44	.....	150.10	.....	.....	67.09
26.16	.....	1,576.29	.....	888.05	.....
50.85	.....	1,368.72	.....	.....	401.04
16.65	.....	.....	572.35	.....	1,248.86
86.73	.....	2,874.32	.....	1,794.12	.....
.....	21.80	801.49	.....	908.87	.....
21.55	.....	1,702.47	.....	1,715.37	.....
.....	16.55	100.15	.....	100.52	.....
11.93	.....	315.30	.....	.....	2.76
.80	.....	.....	324.27	.....	170.19
35.28	.....	449.13	.....	17.40	.....
.....	39.98	.....	.....	.....	975.53
28.22	.....	277.39	.....	225.20	.....
54.79	.....	2,106.75	.....	2,549.69	.....
8.54	.....	220.11	.....	230.17	.....
.....	11.53	.....	486.02	.....	855.51
.....	.....	274.84	.....	274.84	.....
31.15	.....	1,071.24	.....	977.22	.....
44.74	.....	2,426.90	.....	2,474.91	.....
6.22	.....	299.56	.....	135.44	.....
4.97	.....	389.33	.....	415.12	.....
.....	51.75	.....	4,981.10	.....	4,808.61
17.41	.....	672.55	.....	689.96	.....
.....	1.23	.....	483.13	.....	389.68
.....	0.75	1,097.86	.....	1,141.45	.....
26.89	.....	956.30	.....	983.19	.....
207.66	.....	9,712.88	.....	9,920.54	.....
16.12	.....	8,575.90	.....	6,671.94	.....
345.86	.....	12,384.50	.....	5,194.68	.....
85.18	.....	.....	1,325.26	.....	1,344.28
46.47	.....	2,233.83	.....	2,280.30	.....
45.93	.....	96.31	.....	.....	1,587.45
.....	7.39	483.18	.....	301.84	.....
.....	12.55	.....	257.65	.....	233.92
46.74	.....	1,618.76	.....	1,252.67	.....
121.40	.....	7,868.07	.....	7,989.47	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1925, and the accumulated amount standing

Municipality or Rural power district	Date commenced operating	Net credit or charge at October 31, 1924		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Strathroy	Dec., 1914	2,746.64			3,499.55
Streetsville		8,396.04			
Sutton	Aug., 1923	767.40			959.39
Tavistock	Nov., 1916		126.67	89.24	
Tecumseh	Nov., 1922	1,097.05			1,094.75
Thamesford	Feb., 1914	787.89			942.55
Thamesville	Oct., 1915	1,091.73			1,030.20
Thedford	May, 1922	992.75			1,472.05
Thorndale	Mar., 1914		1,044.06	840.96	
Thorold	Jan., 1921		1,331.91	1,350.84	
Tilbury	April, 1915	3,073.12			3,707.52
Tillsonburg	Aug., 1911	3,876.98			3,876.98
Toronto	June, 1911		162,354.61	162,354.61	
Toronto township	Aug., 1913		296.95		966.55
Walkerville	Nov., 1914	20,061.50			15,102.31
Wallaceburg	Feb., 1915	3,765.01			3,968.43
Wardsville	June, 1921	252.26			376.16
Waterdown	Nov., 1911	975.36			975.36
Waterford	April, 1915	442.18			552.60
Waterloo	Dec., 1910	5,943.37			5,943.37
Watford	Sept., 1917	943.36			1,078.61
Welland	Sept., 1917		5,387.70	623.90	
Wellesley	Nov., 1916	248.85			365.10
West Lorne	Jan., 1917	926.22			2,325.74
Weston	Jan., 1911	5,012.93			5,012.93
Wheatley	Feb., 1924	889.76			889.76
Windsor	Oct., 1914	56,598.05			95,110.44
Woodbridge	Dec., 1914	1,065.86			1,671.60
Woodstock	Jan., 1911	9,250.43			9,213.50
Wyoming	Nov., 1916	458.52			311.63
York, North, township	Nov., 1923		469.54	376.71	
Zurich	Sept., 1917	214.24			462.74
Toronto & York R.R.					440.94
Sandwich, W. & A. R.R.					586.33
Rural Power Districts—					
Amherstburg	Nov., 1923	1,376.59			
Aylmer	Nov., 1920		1,803.67		
Baden	Sept., 1913		323.15		
Barton	Nov., 1922	131.13			
Beamsville	Jan., 1923	7,137.43		4.43	

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
54.94	.....	1,610.37	.....	912.40	.....
335.84	.....	142.66	.....	8,874.54	.....
16.18	.....	1,070.20	.....	894.39	.....
.....	2.32	2,145.14	.....	2,105.39	.....
19.83	.....	1,124.11	.....	1,146.24	.....
13.93	.....	419.16	.....	278.43	.....
22.89	.....	1,224.27	.....	1,308.69	.....
22.70	.....	.....	176.15	.....	632.75
.....	41.45	174.38	.....	.....	70.17
.....	10.98	.....	1,972.72	.....	1,964.77
61.55	.....	707.85	.....	135.00	.....
82.45	.....	3,501.65	.....	3,584.10	.....
.....	2,739.60	.....	157,384.27	.....	160,123.87
.....	6.28	.....	1,454.53	.....	2,724.31
362.75	.....	16,320.08	.....	21,642.02	.....
73.61	.....	2,350.43	.....	2,220.62	.....
5.34	.....	4.41	.....	.....	114.15
18.50	.....	849.07	.....	867.57	.....
8.28	.....	99.81	.....	.....	2.33
113.97	.....	3,409.26	.....	3,523.23	.....
19.20	.....	1,126.76	.....	1,010.71	.....
.....	215.51	1,214.10	.....	.....	3,765.21
4.53	.....	.....	76.17	.....	187.89
16.14	.....	392.36	.....	.....	991.02
94.20	.....	2,769.75	.....	2,863.95	.....
17.52	.....	2,166.56	.....	2,184.08	.....
1,110.21	.....	29,286.52	.....	.....	8,115.66
20.80	.....	245.58	.....	.....	339.36
173.34	.....	6,963.38	.....	7,173.65	.....
9.38	.....	591.06	.....	747.33	.....
.....	8.59	383.33	.....	281.91	.....
4.13	.....	436.25	.....	191.88	.....
.....	.....	440.94	.....	.....	.....
.....	.....	586.33	.....	.....	.....
55.06	.....	2,035.15	.....	3,466.80	.....
.....	72.15	.....	34.11	.....	1,909.93
.....	12.92	.....	598.25	.....	934.32
5.24	.....	.....	508.34	.....	371.97
285.67	.....	2,578.64	.....	10,006.17	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1925, and the accumulated amount standing

Rural power district	Date commenced operating	Net credit or charge at October 31, 1924		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Belle River	Dec., 1922	5,959.78			27.71
Blenheim	July, 1924	129.15			
Bolton	July, 1924	53.42			
Bond Lake	Mar., 1924	1,982.82			
Bothwell	Dec., 1923	30.96			
Brampton	Nov., 1923	125.23			
Brant	Oct., 1914	5,871.27			173.22
Caledonia	Oct., 1925				
Chatham	May, 1922	6,427.21			10.98
Chippawa	July, 1922		1,217.64		0.38
Delaware	Oct., 1922	3,750.38			
Dorchester	Dec., 1921	11,887.06			
Drumbo	Aug., 1922	2,896.37			
Dundas	Jan., 1921	3,585.16			
Essex	Nov., 1924				
Exeter	Nov., 1922	4,095.89			
Galt	Oct., 1922	752.32			
Georgetown	Nov., 1924				
Goderich	June, 1925			300.51	
Grantham	Nov., 1924			2,898.62	
Guelph	Jan., 1925				
Haldimand	Oct., 1925				
Harrow	Nov., 1923		36.63		
Homer	Nov., 1922	664.01			
Ingersoll	Oct., 1914	224.10			
Jordan	May, 1922	1,271.89		0.40	
Keswick	Mar., 1924	177.64			1.50
Kingsville	Nov., 1923	2,193.37			
Lansing	Mar., 1924	2,369.07			112.51
Leamington	Nov., 1923	4,757.04			
London	Nov., 1922	6,885.24			
Lynden	Feb., 1922	1,277.34			
Markham	Dec., 1922	4,057.06			
Milton	Jan., 1925				
Mount Joy	Jan., 1924	28.97			
Niagara	Jan., 1922	3,448.82		20.56	
Newmarket	Mar., 1924		286.84		
Norwich	May, 1925			531.49	
Petrolia	Aug., 1923		23.37		
Preston	April, 1922	12,625.40			
Ridgetown	Mar., 1922	8,470.66			
St. Jacobs	Nov., 1922	2,338.60			117.18
St. Thomas	Aug., 1923	6,983.28			
Saltfleet	Feb., 1922	7,238.96			1,641.22
Sandwich	July, 1922	7,324.23			

SYSTEM—Continued *CREDIT OR CHARGE*

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjustments or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
238.01	.....	3,310.35	.....	9,480.43	.....
5.17	.....	648.23	.....	782.55	.....
2.14	.....	120.91	.....	176.47	.....
79.31	.....	6,811.65	.....	8,873.78	.....
1.24	.....	.....	72.18	.....	39.98
5.01	.....	.....	34.92	95.32	.....
234.26	.....	1,700.02	.....	7,632.33	.....
.....	.....	.....	20.25	.....	20.25
256.93	.....	2,275.11	.....	8,948.27	.....
.....	48.72	15.18	.....	.....	1,251.56
150.00	.....	2,694.37	.....	6,594.75	.....
475.48	.....	4,140.16	.....	16,502.70	.....
115.85	.....	1,256.24	.....	4,268.46	.....
143.40	.....	974.91	.....	4,703.47	.....
.....	.....	1,158.04	.....	1,158.04	.....
163.84	.....	1,344.93	.....	5,604.66	.....
30.09	.....	516.71	.....	1,299.12	.....
.....	.....	499.34	.....	499.34	.....
5.03	.....	547.96	.....	853.50	.....
115.94	.....	858.79	.....	3,873.35	.....
.....	.....	.....	221.52	.....	221.52
.....	.....	102.28	.....	102.28	.....
.....	1.47	.....	63.67	.....	101.77
26.56	.....	.....	.....	690.57	.....
8.96	.....	.....	61.22	171.84	.....
50.89	.....	.....	299.29	1,023.89	.....
7.09	.....	2,613.06	.....	2,796.29	.....
87.73	.....	2,589.34	.....	4,870.44	.....
90.26	.....	509.67	.....	2,856.49	.....
190.28	.....	.....	.....	4,947.32	.....
275.41	.....	10,137.40	.....	17,298.05	.....
51.10	.....	710.63	.....	2,039.07	.....
162.28	.....	1,482.74	.....	5,702.08	.....
.....	.....	244.19	.....	244.19	.....
1.16	.....	262.88	.....	293.01	.....
138.77	.....	2,930.78	.....	6,538.93	.....
.....	11.47	.....	102.52	.....	400.83
10.71	.....	.....	362.18	180.02	.....
.....	0.93	.....	50.04	.....	74.34
505.02	.....	1,888.49	.....	15,018.91	.....
338.83	.....	1,802.37	.....	10,611.86	.....
92.37	.....	2,166.99	.....	4,480.78	.....
279.33	.....	2,785.14	.....	10,047.75	.....
273.01	.....	1,030.56	.....	6,901.31	.....
292.97	.....	5,387.22	.....	13,004.42	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of power made and interest added during the year. Also the net amount Credited ending October 31, 1925, and the accumulated amount standing

Rural power district	Date commenced operating	Net credit or charge at October 31, 1924		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Sarnia	June, 1923	3,157.88	.....	.....	.....
Scarboro	Dec., 1923	597.49	.....	.....	.....
Simcoe	Nov., 1922	510.77	.....	.....	.....
Stamford	Mar., 1922	3,695.73	.....	10.57	.....
Stratford	July, 1924	586.28	.....	.....	.....
Streetsville	Nov., 1922	254.45	.....	.....	.....
Tavistock	April, 1923	1,338.88	.....	.....	.....
Tilbury	Dec., 1923	89.49	.....	.....	.....
Tillsonburg	Dec., 1923	378.45	.....	.....	2,046.42
Walton	Nov., 1924	.....	.....	.....	.....
Wallaceburg	Jan., 1923	7,106.59	.....	.....	.....
Waterdown	Oct., 1922	491.66	.....	.....	.....
Waterford	Nov., 1923	.....	85.57	.....	502.92
Welland	April, 1922	.....	830.85	.....	779.13
Woodbridge	Jan., 1923	.....	166.49	2,611.37	.....
Woodstock	Feb., 1913	15,195.28	.....	.....	84.84
Totals	.....	553,224.59	258,465.69	183,823.31	489,536.07

NIAGARA SYSTEM

Reserve for Renewals Account, October 31, 1925

Total provision for renewals to October 31, 1924		$5,526,215.96
Deduct expenditures to October 31, 1924		478,267.98
Balance		$5,047,947.98
Added during the year ending October 31, 1925:		
Amounts charged to municipalities as part of the cost of power delivered to them	$653,788.03	
Provision against equipment employed in respect of contracts with sundry customers	236,218.66	
Amounts charged in the cost of power to Hydro-Electric railways	9,834.97	
Interest at 4% per annum on the monthly balances to the credit of the account	203,095.10	
Renewals reserve provided on second-hand equipment purchased	1,999.89	
Renewals reserve provided on equipment transferred	41,758.25	
		1,146,694.90
		$6,194,642.88
Expenditures during the year		243,608.10
		$5,951,034.78

SYSTEM—Continued

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjustment or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
126.31	.....	1,802.89	.....	5,087.08	.....
23.90	.....	499.75	.....	1,121.14	.....
20.43	.....	243.40	.....	774.60	.....
148.25	.....	391.93	.....	4,246.48	.....
23.45	.....	1,714.43	.....	2,324.16	.....
10.18	.....	39.45	.....	304.08	.....
53.55	.....	462.90	.....	1,855.33	.....
3.58	.....	155.19	.....	248.26	.....
.....	18.95	1,960.01	.....	273.09	.....
.....	.....	162.71	.....	162.71	.....
284.26	.....	1,199.88	.....	8,590.73	.....
19.66	.....	.....	53.86	457.46	.....
.....	23.54	.....	331.52	.....	943.55
.....	56.55	2,230.55	.....	564.02	.....
97.80	.....	1,602.32	.....	4,145.00	.....
607.81	.....	4,125.44	.....	19,843.69	.....
14,185.81	6,444.40	377,649.49	233,437.44	494,188.02	353,188.42

NIAGARA SYSTEM

Reserve for Contingencies Account, October 31, 1925

Balance brought forward October 31, 1924		$643,699.89
Added during the year:		
Amounts charged to municipalities as part of the cost of power delivered to them	$280,168.35	
Provision against equipment employed in respect of sundry customers	122,369.35	
By charges included in cost of power to Hydro electric railways	3,808.73	
Interest at 4% per annum on monthly balances to the credit of the account	25,748.00	
		432,094.43
		$1,075,794.32
Deduct:		
Expenditures during the year ending October 31, 1925		129,687.82
Balance carried forward October 31, 1925		$946,106.50

NIAGARA SYSTEM

Sinking Fund to year ending October 31, 1925

Municipality	Sinking fund paid by each municipality as part of the cost of power delivered, together with its proportionate share of other sinking funds provided out the revenues of the system.	
	For period of	Amount
		$ c.
Acton	8 years ending Oct. 31, 1925	11,854.67
Agincourt	1 " " " "	460.56
Ailsa Craig	5 " " " "	5,012.90
Alvinston	2 " " " "	2,460.30
Ancaster township	2 " " " "	2,658.66
Aylmer	2 " " " "	6,045.71
Ayr	5 " " " "	3,009.30
Baden	8 " " " "	8,693.58
Barton township	2 " " " "	4,006.49
Beachville	8 " " " "	11,536.70
Belle River	3 " " " "	967.00
Blenheim	5 " " " "	7,810.74
Blyth	2 " " " "	787.23
Bolton	5 " " " "	5,607.95
Bothwell	5 " " " "	5,671.23
Brampton	9 " " " "	35,464.20
Brantford	6 " " " "	150,430.30
Brantford township	2 " " " "	2,071.00
Brigden	3 " " " "	2,620.43
Brussels	2 " " " "	1,137.75
Burford	5 " " " "	2,955.70
Burgessville	4 " " " "	1,080.35
Caledonia	8 " " " "	3,700.38
Campbellville	1 " " " "	67.20
Cayuga	1 " " " "	673.81
Chatham	5 " " " "	77,227.82
Chippawa	4 " " " "	2,243.39
Clifford	2 " " " "	546.70
Clinton	6 " " " "	10,467.67
Comber	5 " " " "	4,965.63
Courtright	2 " " " "	660.96
Dashwood	3 " " " "	1,772.03
Delaware	5 " " " "	614.82
Dereham township	2 " " " "	1,545.02
Dorchester	6 " " " "	1,338.75
Drayton	2 " " " "	1,868.40
Dresden	5 " " " "	5,958.17
Drumbo	6 " " " "	1,260.83
Dublin	3 " " " "	1,085.12
Dundas	9 " " " "	34,107.13
Dunnville	6 " " " "	8,499.41
Dutton	5 " " " "	4,044.08
Elmira	7 " " " "	15,941.26
Elora	6 " " " "	9,430.76
Embro	6 " " " "	3,058.99
Erieau	2 " " " "	283.49
Erie Beach	1 " " " "	35.77
Essex	2 " " " "	5,876.95
Etobicoke township	3 " " " "	17,792.44
Exeter	4 " " " "	8,194.43

NIAGARA SYSTEM—Continued

Sinking Fund to year ending October 31, 1925

Municipality	Sinking fund paid by each municipality as part of the cost of power delivered, together with its proportionate share of other sinking funds provided out of the revenues of the system	
	For period of	Amount
		$ c.
Fergus	6 years ending Oct. 31, 1925	8,916.05
Ford City	3 " " " "	23,003.97
Forest	3 " " " "	4,553.07
Galt	9 " " " "	118,512.57
Georgetown	7 " " " "	23,654.95
Glencoe	2 " " " "	2,720.39
Goderich	6 " " " "	29,239.45
Granton	4 " " " "	1,906.06
Guelph	9 " " " "	134,292.13
Hagersville	7 " " " "	17,138.77
Hamilton	9 " " " "	531,589.49
Harriston	4 " " " "	7,225.60
Harrow	2 " " " "	2,522.79
Hensall	4 " " " "	2,837.71
Hespeler	9 " " " "	17,340.24
Highgate	4 " " " "	2,086.61
Humberstone	2 " " " "	712.16
Ingersoll	9 " " " "	39,968.94
Jarvis	2 " " " "	1,378.15
Kingsville	2 " " " "	7,403.53
Kitchener	9 " " " "	238,051.88
Lambeth	5 " " " "	1,842.13
Leamington	2 " " " "	9,146.38
Listowel	4 " " " "	12,868.30
London	9 " " " "	457,949.19
London township	1 " " " "	406.26
London Railway Commission	6 " " " "	37,085.36
Louth township	1 " " " "	39.97
Lucan	5 " " " "	5,141.07
Lynden	5 " " " "	4,301.12
Markham	2 " " " "	2,419.83
Merlin	2 " " " "	1,836.20
Merritton	4 " " " "	7,016.75
Milton	7 " " " "	29,272.43
Milverton	4 " " " "	10,746.45
Mimico	8 " " " "	21,185.45
Mitchell	9 " " " "	10,842.86
Moorefield	2 " " " "	1,083.16
Mount Brydges	5 " " " "	1,342.58
Newbury	2 " " " "	668.03
New Hamburg	9 " " " "	12,387.46
Newmarket	1 " " " "	3,310.12
New Toronto	6 " " " "	74,815.43
Niagara Falls	5 " " " "	87,641.46
Niagara-on-Lake	2 " " " "	4,024.50
Norwich	8 " " " "	10,781.72
Oil Springs	2 " " " "	5,190.49
Otterville	4 " " " "	1,488.60
Palmerston	4 " " " "	7,232.25
Paris	6 " " " "	23,812.84

NIAGARA SYSTEM—Continued

Sinking Fund to year ending October 31, 1925

Municipality	Sinking fund paid by each municipality as part of the cost of power delivered, together with its proportionate share of other sinking funds provided out of the revenues of the system	
	For period of	Amount
		$ c.
Parkhill	2 years ending Oct. 31, 1925	2,590.82
Petrolia	4 " " " "	20,849.20
Plattsville	6 " " " "	2,562.55
Point Edward	3 " " " "	6,646.33
Port Colborne	4 " " " "	10,862.15
Port Credit	8 " " " "	5,550.65
Port Dalhousie	4 " " " "	4,445.29
Port Dover	2 " " " "	2,376.78
Port Stanley	8 " " " "	10,119.01
Preston	9 " " " "	58,823.59
Princeton	6 " " " "	1,509.39
Queenston	2 " " " "	956.69
Richmond Hill	1 " " " "	385.86
Ridgetown	5 " " " "	8,266.74
Riverside	3 " " " "	5,738.58
Rockwood	7 " " " "	2,933.62
Rodney	3 " " " "	2,012.60
St. Catharines	4 " " " "	78,209.22
St. Clair Beach	3 " " " "	809.33
St. George	5 " " " "	2,659.95
St. Jacobs	3 " " " "	1,703.01
St. Marys	9 " " " "	30,942.15
St. Thomas	9 " " " "	101,493.66
Sandwich	2 " " " "	16,273.26
Sarnia	4 " " " "	99,155.80
Scarboro township	2 " " " "	10,544.29
Seaforth	9 " " " "	21,320.88
Simcoe	5 " " " "	12,211.61
Springfield	3 " " " "	1,190.70
Stamford township	4 " " " "	10,871.77
Stouffville	2 " " " "	1,625.67
Stratford	9 " " " "	120,174.57
Strathroy	6 " " " "	18,274.00
Streetsville	6 " " " "	11,270.15
Sutton	2 " " " "	1,098.91
Tavistock	4 " " " "	7,487.67
Tecumseh	3 " " " "	2,077.68
Thamesford	6 " " " "	4,230.07
Thamesville	5 " " " "	3,186.78
Thedford	2 " " " "	1,374.92
Thorndale	6 " " " "	2,704.17
Thorold	3 " " " "	8,819.94
Tilbury	5 " " " "	7,757.59
Tillsonburg	9 " " " "	21,974.95
Toronto	9 " " " "	3,026,784.58
Toronto township	7 " " " "	11,511.17
Walkerville	6 " " " "	134,499.84
Wallaceburg	5 " " " "	28,249.03
Wardsville	2 " " " "	407.09
Waterdown	9 " " " "	6,215.35

NIAGARA SYSTEM—Continued

Sinking Fund to year ending October 31, 1925

Municipality	Sinking fund paid by each municipality as part of the cost of power delivered, together with its proportionate share of other sinking funds provided out of the revenues of the system	
	For period of	Amount
		$ c.
Waterford	5 years ending Oct. 31, 1925	5,255.40
Waterloo	9 " " " "	49,727.68
Watford	3 " " " "	3,007.99
Welland	3 " " " "	44,975.75
Wellesley	4 " " " "	4,396.21
West Lorne	4 " " " "	6,328.01
Weston	9 " " " "	45,828.82
Wheatley	2 " " " "	993.71
Windsor	6 " " " "	296,360.84
Woodbridge	6 " " " "	7,048.87
Woodstock	9 " " " "	69,138.53
Wyoming	4 " " " "	1,649.57
York East township	1 " " " "	3,652.40
York North township	2 " " " "	3,092.17
Zurich	3 " " " "	2,534.91
Rural Power Districts—		
Amherstburg		4,893.00
Aylmer		1,108.45
Baden		1,109.64
Barton		294.60
Beamsville		5,519.68
Belle River		2,497.50
Blenheim		218.48
Bolton		383.65
Bond Lake		2,435.51
Bothwell		117.37
Brampton		86.43
Brant		1,613.32
Caledonia		6.50
Chatham		2,698.02
Chippawa		1,864.66
Delaware		1,719.90
Dorchester		4,267.05
Drumbo		1,019.83
Dundas		1,964.26
Essex		1,361.77
Exeter		1,616.54
Galt		493.42
Georgetown		115.42
Goderich		304.28
Grantham		4,686.33
Guelph		103.36
Haldimand		56.96
Harrow		118.65
Ingersoll		211.26
Jordan		982.92

NIAGARA SYSTEM—Continued
Sinking Fund to year ending October 31, 1925

Municipality	Sinking fund paid by each municipality as part of the cost of power delivered, together with its protionate share of other sinking funds provided out of the revenues of the system	
	For period of	Amount
		$ c.
Rural Power Districts—Continued		
Keswick		1,365.60
Kingsville		7,965.93
Lansing		657.62
London		6,010.87
Lynden		1,315.14
Markham		1,043.34
Milton		30.56
Mount Joy		90.29
Niagara		2,395.33
Newmarket		92.35
Norwich		4,564.66
Petrolia		219.96
Preston		5,057.76
Ridgetown		2,285.49
St. Jacobs		1,599.35
St. Thomas		3,106.40
Saltfleet		9,166.48
Sandwich		8,871.88
Sarnia		1,282.34
Scarboro		221.90
Simcoe		391.73
Stamford		1,166.20
Stratford		1,928.20
Streetsville		69.24
Tavistock		695.77
Tilbury		41.35
Tillsonburg		3,288.15
Wallaceburg		1,963.87
Walton		82.16
Waterdown		489.00
Waterford		586.31
Welland		9,860.38
Woodbridge		3,469.39
Woodstock		5,302.39
Amherstburg (local)		12,849.23
Hydro Radial Railways—		
Toronto & York Radial Railway		49,883.13
Sandwich, Windsor & Amherstburg Railway		5,738.65
Total		$7,253,284.69

NIAGARA SYSTEM

Sinking Fund Reserve, October 31, 1925

Total provision for sinking fund to October 31, 1924		$5,328,350.56
Deduct:		
Sinking fund in respect of service building and office buildings, transferred to the credit of separate sinking fund account	$167,041.88	
Adjustment of sinking fund on rural lines transferred to rural power districts	9,636.57	
Amounts deducted from sale price to municipalities of certain rural lines	1,477.06	
		178,155.51
		$5,150,195.05
Provided in the year ending October 31, 1925, in respect of:		
Advances by the Province for construction of transmission lines and stations	$509,634.07	
Advances by the Province for construction of third pipe line to Ontario Power Company	63,122.94	
Advances by the Province for the construction of Queenston-Chippawa development	758,073.13	
Bonds issued by the Commission in connection with the properties of the Ontario Power Company, the Toronto Power Company and Essex system	497,197.77	
	$1,828,027.91	
Additional amount provided on account of revision of sinking fund charges to the basis of charging the current year's sinking fund in each year instead of on the deferred plan	98,491.32	
Interest at 4% per annum on the amount standing at the credit of the account	206,097.01	
		2,132,616.24
		$7,282,811.29

NIAGARA RURAL LINES

Statement showing the Interest and Sinking Fund charged by the Commission to the Municipalities which operate the respective Rural Lines for the year ending October 31, 1925

Lines operated by	Capital cost	Interest	Sinking fund	Total interest and sinking fund charged
	$ c.	$ c.	$ c.	$ c.
Ancaster township	5,734.62	286.73	103.22	389.95
Bothwell	6,571.84	355.90	547.44	903.34
Brampton	588.87	29.44	10.60	40.04
Elora	777.82	38.89	14.00	52.89
Etobicoke township	54,608.68	2,984.09	982.96	3,967.05
Louth township	2,771.19	138.56	49.88	188.44
Lucan	333.26	16.66	6.00	22.66
Milton	15,909.84	797.02	269.92	1,066.94
Scarborough township	4,521.25	271.27	81.38	352.65
Waterdown	17,697.27	884.86	318.55	1,203.41
Waterloo	5,062.60	230.60	91.12	321.72
Welland	19,617.60	980.88	353.12	1,334.00
Totals	134,194.84	7,014.90	2,828.19	9,843.09

NIAGARA RURAL LINES

Statement showing the total Sinking Fund requirements of each line—all of which have been paid—and the total of such Sinking Fund payments with interest allowed thereon to October 31, 1925

Lines operated by	Sinking fund requirements which have been paid		Interest at 4% per annum allowed on sinking fund payments	Total sinking fund payments and accumulated interest to Oct. 31, 1925
	Period covered	Amount		
		$ c.	$ c.	$ c.
Ancaster township	12 years ending Oct. 31, 1925	1,110.11	288.31	1,398.42
Bothwell	10 " " " "	4,492.25	709.79	5,202.04
Brampton	8 " " " "	86.56	13.97	100.53
Elora	12 " " " "	153.91	34.77	188.68
Etobicoke township	10 " " " "	9,031.24	1,707.00	10,738.24
Louth township	7 " " " "	407.35	63.05	470.40
Lucan	6 " " " "	36.00	3.80	39.80
Milton	12 " " " "	536.84	43.22	580.06
Scarborough twp	8 " " " "	990.57	186.21	1,176.78
Waterdown	12 " " " "	2,647.18	556.03	3,203.21
Waterloo	12 " " " "	877.82	172.91	1,050.73
Welland	13 " " " "	4,320.24	1,057.47	5,377.71
Totals		24,690.07	4,836.53	29,526.60

GEORGIAN BAY

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased		$35,236.57
Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expense chargeable to the operation of the system		219,699.67
Interest on capital investment		234,228.23
Provisions for renewal of generating plant, lines and stations, etc		62,858.36
Provisions for contingencies:		
By charges against municipalities and rural power districts	$16,022.61	
By charges against contracts with private companies	1,542.05	
		17,564.66
Provisions for sinking fund:		
By charges against municipalities and rural power districts	$76,986.69	
By charges against contracts with private companies which purchased power	7,024.81	
		84,011.50
		$653,598.99

GEORGIAN BAY SYSTEM—

Operating Account for year ending October 31, 1925, included in above

Power purchased from the Commission	$7,805.54
Costs of operating and maintaining transmission lines and equipment	3,391.29
Interest on capital investment	2,908.66
Provision for renewal of lines and equipment	1,892.35
Provision for contingencies	473.07
Provision for sinking fund for repayment of cash advances	1,028.59
	$17,499.50

SYSTEM

Ending October 31, 1925

REVENUE FOR PERIOD

Collected from municipalities		$607,644.20
Power sold to private companies		47,351.19
		$654,995.39
Deduct:		
Amounts collected from certain municipalities in excess of the sum required to be paid by them for power supplied in the period	$34,998.93	
Less:		
Amounts due by certain municipalities, being the difference between sums paid and the cost of power supplied to them in the period	33,602.53	
		1,396.40
		$653,598.99

RURAL POWER DISTRICTS

account of Georgian Bay System. For detail report see pages 188 and 189

Revenue collected from rural power districts		$19,344.53
Add:		
Deficit on operation of certain rural power districts	$296.92	
Deduct:		
Surplus on operation of certain rural power districts	2,141.95	
		1,845.03
		$17,499.50

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost (under received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual cost of

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating costs		
					Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Alliston	60.00	73,481.51	130.5	284.68	2,579.31	3,659.66	1,212.68
Arthur	98.00	67,476.42	122.1	266.36	3,054.55	3,320.97	1,110.94
Barrie	28.00	311,947.25	1,355.6	2,957.21	14,745.06	14,950.52	3,570.29
Beaverton	50.00	42,217.99	156.8	342.06	2,575.73	1,994.33	539.33
Beeton	75.00	69,692.79	107.9	235.38	2,455.69	3,482.11	1,181.45
Bradford	84.00	74,005.63	115.8	252.62	2,617.14	3,702.43	1,251.89
Brechin	85.00	17,634.29	48.6	106.02	1,160.18	838.00	258.00
Cannington	55.00	30,568.01	102.9	224.47	1,842.25	1,443.57	410.41
Chatsworth	50.00	11,518.62	37.7	82.24	820.35	558.17	157.04
Chesley	50.00	97,527.11	308.2	672.33	3,970.99	4,750.61	1,350.63
Coldwater	35.00	26,023.68	87.4	190.66	1,109.99	1,258.33	350.46
Collingwood	33.00	359,548.04	1,275.2	2,781.82	18,992.09	17,151.75	4,680.79
Cookstown	58.00	18,253.39	39.9	87.04	769.53	902.65	286.53
Creemore	55.00	31,765.95	72.2	157.50	1,693.40	1,550.03	492.20
Dundalk	43.00	30,923.25	131.0	285.77	1,716.06	1,485.81	363.44
Durham	38.00	93,045.62	416.6	908.80	5,007.12	4,470.22	1,050.57
Elmvale	31.00	45,841.91	196.1	427.79	2,485.44	2,199.20	535.39
Flesherton	55.00	17,134.24	55.0	119.98	1,113.01	831.68	202.00
Elmwood	50.00	13,172.72	37.9	82.68	686.93	645.44	188.83
Grand Valley	72.00	39,853.40	95.0	207.24	2,008.60	1,957.82	611.41
Gravenhurst	18 & 25*	49,861.93	389.5	.....	4,692.84	2,169.36	402.17
Hanover	36.00	287,521.45	1,140.2	2,487.32	11,624.35	13,863.90	3,532.56
Holstein	90.00	12,629.87	14.8	32.29	462. 2	627.82	223.80
Huntsville	27.00	169,847.26	995.1	.....	10,550.95	8,604.01	1,989.52
Kincardine	70.00	132,700.08	230.0	501.74	3,718.68	6,646.26	2,206.61
Kirkfield	55.00	12,145.81	25.5	55.63	420.90	600.45	192.32
Lucknow	75.00	64,173.75	106.9	233.20	1,912.96	3,216.19	1,075.54
Markdale	39.00	24,824.78	102.1	222.73	1,587.62	1,199.02	263.96
Meaford	60.00	81,489.24	228.0	497.38	2,503.69	4,037.85	1,184.28
Midland	26.00	637,901.68	3,310.0	7,220.70	29,734.52	30,512.77	6,321.38
Mount Forest	58.00	80,113.71	235.1	512.87	4,966.18	3,898.06	1,144.97
Neustadt	45.00	52,093.18	118.2	257.85	1,479.66	2,575.30	809.53
Orangeville	60.00	107,962.23	309.3	674.73	4,487.88	5,290.31	1,557.60
Owen Sound	35.00	374,545.37	1,588.1	3,464.41	18,268.78	17,946.16	4,401.74
Paisley	80.00	37,771.32	81.2	177.14	1,454.02	1,884.81	597.37
Penetanguishene	27.00	111,622.67	429.1	936.07	4,477.98	5,216.47	1,397.76
Port McNicoll	28.00	14,835.49	65.0	141.80	711.93	714.54	170.28
Port Perry	70.00	49,177.70	98.9	215.75	2,052.08	2,444.05	787.56
Priceville	65.00	6,563.68	11.7	25.52	372.29	328.57	108.50
Ripley	80.00	33,769.22	43.6	95.11	947.09	1,697.89	590.59
Shelburne	45.00	65,184.64	230.3	502.39	3,018.47	3,171.14	855.72
Stayner	38.00	33,259.84	117.6	256.54	2,102.64	1,588.95	433.70
Sunderland	75.00	21,994.51	49.3	107.55	1,232.83	1,040.00	340.54
Tara	93.00	41,846.01	47.9	104.49	1,001.41	2,098.32	743.74
Teeswater	50.00	64,288.20	145.8	318.06	2,172.15	3,194.68	998.75

*To April 1, 1925, $18.00; to October 31, 1925, $25.00.

SYSTEM *COST OF POWER*

Section 23 of the Act) of Power supplied to it by the Commission—the amount —and the amount remaining to be credited or charged to each Municipality power supplied to it in the year ending October 31, 1925

and fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies	Sinking fund	Total	Companies balance	Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
235.25	1,298.83	9,270.41	64.67	9,335.08	7,831.15	.....	1,503.93
217.16	1,193.90	9,163.88	60.51	9,224.39	11,961.10	2,736.71	.....
1,163.31	5,367.84	42,754.23	671.81	43,426.04	37,956.77	.....	5,469.27
155.55	734.62	6,341.62	77.71	6,419.33	7,839.81	1,420.48	.....
210.73	1,234.80	8,800.10	53.47	8,853.63	8,092.48	.....	761.15
234.48	1,310.75	9,369.31	57.39	9,426.70	9,724.70	298.00	.....
65.31	309.44	2,736.95	24.08	2,761.03	3,902.17	1,141.14	.....
112.65	532.92	4,566.27	51.00	4,617.27	5,658.54	1,041.27	.....
47.82	201.26	1,866.88	18.68	1,885.56	1,886.62	1.06	.....
349.28	1,705.42	12,799.26	152.74	12,952.00	15,409.71	2,457.71	.....
104.90	454.32	3,468.66	43.31	3,511.97	3,058.67	.....	453.30
1,309.21	6,239.46	51,155.12	631.96	51,787.08	42,083.21	.....	9,703.87
65.52	321.29	2,432.56	19.77	2,452.33	2,316.08	.....	136.25
104.35	558.63	4,556.11	35.78	4,591.89	3,959.59	.....	622.30
122.82	535.30	4,509.20	64.92	4,574.12	5,632.99	1,058.87	.....
372.20	1,607.65	13,416.65	206.45	13,623.01	15,831.33	2,208.32	.....
180.59	793.53	6,621.94	97.18	6,719.12	6,080.46	.....	638.66
63.71	299.55	2,629.93	27.26	2,657.19	3,024.05	366.86	.....
52.42	230.18	1,886.48	18.78	1,905.26	1,894.97	.....	10.29
135.96	701.26	5,622.29	47.08	5,669.37	6,840.00	1,170.63	.....
195.28	810.11	8,629.76	193.02	8,462.78	8,453.21	.....	9.57
1,131.66	4,991.54	37,631.33	565.06	38,195.39	41,130.60	2,934.21	.....
35.88	224.94	1,606.75	7.33	1,614.08	1,331.25	.....	282.83
654.90	3,057.25	24,856.63	493.15	25,349.78	26,867.47	1,517.69	.....
426.68	2,351.51	15,851.48	113.99	15,965.47	16,102.64	137.17	.....
39.89	214.51	1,523.70	12.64	1,536.34	1,402.94	.....	133.40
210.29	1,137.89	7,786.07	52.97	7,839.04	8,015.60	176.56	.....
95.09	430.39	3,798.81	50.59	3,849.40	3,981.23	131.83	.....
276.23	1,428.23	9,927.66	112.99	10,040.65	13,682.45	3,641.80	.....
2,454.05	10,948.31	87,191.73	1,640.36	88,832.09	86,059.33	.....	2,772.76
279.84	1,404.13	12,206.05	116.51	12,322.56	13,635.79	1,313.23	.....
172.73	916.44	6,211.51	58.58	6,270.09	5,214.36	.....	1,055.73
383.48	1,893.44	14,287.44	153.28	14,440.72	18,559.50	4,118.78	.....
1,397.99	6,485.75	51,964.83	787.03	52,751.86	55,585.20	2,833.34	.....
122.21	666.70	4,902.25	40.24	4,942.49	6,494.63	1,552.14	.....
420.09	1,940.00	14,388.37	212.65	14,601.02	11,584.69	.....	3,016.33
60.67	256.56	2,055.78	32.21	2,087.99	1,820.42	.....	267.57
153.37	866.00	6,518.81	49.00	6,567.81	6,921.78	353.97	.....
30.63	116.26	981.77	5.80	987.57	759.37	.....	228.20
104.76	600.83	4,036.27	21.61	4,057.88	3,485.30	.....	572.58
253.47	1,136.18	8,937.37	114.13	9,051.50	10,362.90	1,311.40	.....
123.77	577.24	5,082.84	58.28	5,141.12	4,468.48	.....	672.64
71.96	384.84	3,177.72	24.43	3,202.15	3,698.73	496.58	.....
128.39	745.50	4,821.85	23.74	4,845.59	4,451.57	.....	394.02
232.08	1,130.60	8,046.32	72.25	8,118.57	7,292.29	.....	826.28

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost (under received by the Commission from each Municipality on account of such cost, upon ascertainment (by annual adjustment) of the actual cost of

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating costs and		
					Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Thornton	85.00	13,963.13	21.8	47.56	655.38	696.79	236.35
Tottenham	96.00	40,761.92	47.6	103.84	1,368.89	2,047.43	721.55
Uxbridge	73.00	56,415.23	109.2	238.22	2,235.59	2,806.64	911.88
Victoria Harbor	40.00	17,223.86	59.5	129.80	896.71	833.71	228.74
Waubaushene	40.00	9,499.52	37.5	81.81	726.55	458.07	117.04
Wingham	59.00	163,395.51	275.0	599.91	4,360.82	8,184.50	2,732.98
Woodville	65.00	20,662.72	48.6	106.02	1,109.90	971.07	316.23
Rural Power Districts—							
Barrie—Oro township		6,376.44	26.5	57.81	283.55	308.68	75.38
Cannington D 1—Brock and Eldon townships		4,478.97	12.0	26.18	223.99	217.57	66.83
Cannington D 2—Brock township		5,127.68	12.5	27.27	252.47	247.56	77.54
Elmvale—Flos township		3,148.72	9.1	19.85	210.46	154.82	45.04
Flesherton—Artemesia tsp.		1,272.13	3.1	6.76	152.92	61.94	17.51
Mariposa—Mariposa twp.		16,658.00	43.2	94.24	597.64	820.05	248.04
Markdale—Artemesia twp.		1,143.35	5.0	10.90	200.42	53.65	11.48
Nottawasaga—Nottawasaga township		5,385.20	17.4	37.96	280.82	256.28	73.46
Port Perry—Reach twp.		1,092.27	2.7	5.89	43.69	53.34	16.50
Sparrow Lake—Rama, Orillia and Morrison townships		215.89	1.3	2.84	69.26	10.40	1.79
Stayner—Nottawasaga, Sunnidale and Flos townships		8,462.56	28.0	61.08	463.73	403.92	111.54
Tara—Derby township		513.58	0.6	1.31	11.12	25.87	9.10
Uxbridge—Uxbridge twp.		80.91	0.2	0.44	9.08	4.00	1.22
Walkerton Quarry—Brant township		563.00	1.0	2.18	10.61	27.12	9.30
Totals—Municipalities		4,361,677.13	15,604.8	31,021.08	198,711.18	211,718.39	57,399.54
Totals—Rural Power Dist.		54,518.70	162.6	354.71	2,809.76	2,645.20	764.73
Totals—Companies		405,726.34	1,769.8	3,860.78	18,178.73	19,864.64	4,694.09
Grand Totals		4,821,922.17	17,537.2	35,236.57	219,699.67	234,228.23	62,858.36
Non-operating capital		177,165.14					
		4,999,087.31					

The Commission supplies power to and operates the rural power districts. Revenue derived therefrom is applied to meet the cost of providing the power generated and transmitted to each of the rural districts as shown in above table of costs.

The results of the operations in rural power districts are shown in operating reports on pages 188 and 189.

SYSTEM *COST OF POWER*

Section 23 of the Act) of Power supplied to it by the Commission, the amount —and the amount remaining to be credited or charged to each Municipality power supplied to it in the year ending October 31, 1925.

fixed charges		Total	Companies Balance	Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies	Sinking fund					Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
49.14	247.37	1,932.59	10.80	1,943.39	1,856.51	.....	86.88
122.53	725.05	5,089.29	23.59	5,112.88	4,567.20	.....	545.68
174.47	994.26	7,361.06	54.12	7,415.18	7,968.53	553.35	.....
66.64	300.43	2,456.03	29.49	2,485.52	2,381.30	.....	104.22
40.57	164.94	1,588.98	18.58	1,607.56	1,498.63	.....	108.93
541.52	2,896.76	19,316.49	136.28	19,452.77	16,226.88	.....	3,225.89
68.50	361.85	2,933.57	24.08	2,957.65	2,983.48	25.83	.....
24.13	109.96	859.51	13.13	872.64	872.64	.....	.....
15.39	78.32	628.28	5.95	634.23	634.23	.....	.....
17.15	89.66	711.65	6.20	717.85	717.85	.....	.....
13.42	55.00	498.59	4.51	503.10	503.10	.....	.....
5.12	22.40	266.65	1.54	268.19	268.19	.....	.....
60.58	292.80	2,113.35	21.41	2,134.76	2,134.76	.....	.....
4.47	19.75	300.67	2.48	303.15	303.15	.....	.....
20.26	93.77	762.55	8.62	771.17	771.17	.....	.....
3.52	19.17	142.11	1.34	143.45	143.45	.....	.....
0.87	3.68	88.84	0.64	89.48	89.48	.....	.....
31.54	144.89	1,216.70	13.88	1,230.58	1,230.58	.....	.....
1.55	9.15	58.10	0.29	58.39	58.39	.....	.....
0.26	1.41	16.41	0.10	16.51	16.51	.....	.....
2.37	9.97	61.55	0.49	62.04	62.04	.....	.....
15,821.98	76,036.76	590,708.93	7,733.33	598,442.26	599,838.66	34,998.93	33,602.53
200.63	949.93	7,724.96	80.58	7,805.54	7,805.54	.....	.....
1,542.05	7,024.81	55,165.10	(7,813.91)	47,351.19	47,351.19	.....	.....
17,564.66	84,011.50	653,598.99	.....	653,598.99	654,995.39	.....	.....

( ) Indicate credits.

GEORGIAN BAY SYSTEM—

Operating Report for Year

Name of rural power district and townships included therein	Total capital investment in each district and the amount of Government grant applied thereto			Total cost of power for year as provided to be paid under section 23 of Act*
	Total	Government grant	Balance	
	$ c.	$ c.	$ c.	$ c.
Barrie—Oro township	9,018.89	4,509.44	4,509.45	872.64
Cannington, D 1—Brock and Eldon townships	4,965.57	2,263.66	2,701.91	634.23
Cannington, D 2—Brock township	7,298.64	3,331.82	3,966.82	717.85
Elmvale—Flos township	1,444.57	722.28	722.29	503.10
Flesherton—Artemesia township	2,659.41	1,329.71	1,329.70	268.19
Mariposa—Mariposa township	31,272.52	15,636.26	15,636.26	2,134.76
Markdale—Artemesia township	1,296.16	648.08	648.08	303.15
Nottawasaga—Nottawasaga township	15,274.97	7,637.49	7,637.48	771.17
Port Perry—Reach township	608.37	304.18	304.18	143.45
Sparrow Lake—Rama, Orillia and Morrison townships	10,602.37	5,301.18	5,301.19	89.48
Stayner—Nottawasaga, Sunnidale, and Flos townships	21,875.00	.....	21,875.00	1,230.58
Tara—Derby township	288.02	144.01	144.01	58.39
Uxbridge—Uxbridge township	1,268.08	634.04	634.04	16.51
Walkerton Quarry—Brant township	2,104.91	1,052.46	1,052.45	62.04
Totals	109,977.48	43,514.61	66,462.87	7,805.54

*See "cost of power" table on preceding pages.

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power ments made and interest added during the year, also the net amount Credited October 31, 1924, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1925		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Alliston	June, 1918	.....	434.93	.....	306.51
Arthur	Dec., 1916	.....	6,060.57	543.23	.....
Barrie	April, 1913	1,749.32	.....	.....	7,815.12
Beaverton	Nov., 1914	2,586.61	.....	.....	2,747.32
Beeton	Aug., 1918	437.75	.....	.....	1,243.16
Bradford	Oct., 1918	.....	6,359.76	.....	570.10
Brechin	Jan., 1915	176.54	.....	.....	268.83
Cannington	Nov., 1914	1,560.70	.....	.....	1,686.31
Chatsworth	Dec., 1915	431.65	.....	.....	429.33
Chesley	July, 1916	3,646.40	.....	.....	3,428.06

RURAL POWER DISTRICTS *RURAL OPERATING*

ending October 31, 1925

Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Contingencies	Sinking fund	Total cost	Revenue	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
253.13	217.69	171.07	42.77	76.98	1,634.28	1,856.20	221.92	.....
187.16	137.15	99.18	24.79	48.50	1,131.01	1,276.45	145.44	.....
559.75	192.37	138.73	34.67	68.03	1,711.40	1,885.34	173.94	.....
193.81	36.65	28.80	7.20	12.96	782.52	756.84	.....	25.68
68.63	67.36	52.93	13.23	23.82	494.16	380.02	.....	114.14
976.32	790.47	621.19	155.30	279.54	4,957.58	5,791.16	833.58	.....
37.77	32.98	25.92	6.48	11.66	417.96	262.17	.....	155.79
327.06	386.47	303.71	75.93	136.67	2,001.01	2,145.66	144.65	.....
74.32	15.49	12.17	3.04	5.48	253.95	412.17	158.22	.....
18.47	22.49	17.67	4.42	7.95	160.48	229.25	68.77	.....
647.23	947.65	372.35	93.09	335.12	3,626.02	3,917.44	291.42	.....
3.50	3.67	2.88	0.72	1.30	70.46	136.56	66.10	.....
8.12	4.65	3.65	0.91	1.64	35.48	34.17	.....	1.31
36.02	53.57	42.10	10.52	18.94	223.19	261.10	37.91	.....
3,391.29	2,908.66	1,892.35	473.07	1,028.59	17,499.50	19,344.53	2,141.95	296.92

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjust-or Charged to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	9.39	.....	1,503.93	.....	2,254.76
.....	242.42	2,736.71	.....	.....	3,023.05
21.47	.....	.....	5,469.27	.....	11,513.60
35.46	.....	1,420.48	.....	1,295.23	.....
5.28	.....	.....	761.15	.....	1,561.28
.....	241.29	298.00	.....	.....	6,873.15
0.83	.....	1,141.14	.....	1,049.68	.....
21.60	.....	1,041.27	.....	937.26	.....
5.77	.....	1.06	.....	9.15	.....
55.55	.....	2,457.71	.....	2,731.60	.....

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power ments made and interest added during the year, also the net amount Credited October 31, 1924, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1925		Cash receipts and payments on account of such credits and charges made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Coldwater	Mar., 1913		69.19		289.55
Collingwood	Mar., 1913	5,153.56			8,314.22
Cookstown	May, 1918		9.50		44.15
Creemore	Nov., 1914		43.23		251.78
Dundalk	Dec., 1915	1,573.18			1,565.71
Durham	Dec., 1915	2,982.35			2,955.67
Elmvale	June, 1913	564.85			1,320.93
Flesherton	Dec., 1915	320.52			317.48
Elmwood	April, 1918		193.71	366.62	
Grand Valley	Dec., 1916		107.83	161.48	
Gravenhurst	Nov., 1915		128.45	116.45	
Hanover	Sept., 1916	5,121.83			3,833.08
Holstein	May, 1916		5,130.55	73.61	
Huntsville	Sept., 1916	364.51			360.85
Kincardine	Mar., 1921		3,998.63	22.70	
Kirkfield	June, 1920	291.62			293.06
Lucknow	Jan., 1921		631.11	637.91	
Markdale	Mar., 1916	488.85			398.19
Meaford	Jan., 1924	2,829.91			2,813.10
Midland	July, 1911	7,059.31			15,590.08
Mount Forest	Dec., 1915		776.01	790.48	
Neustadt	Dec., 1918		5.67	71.54	
Orangeville	July, 1916		1,396.88		114.78
Owen Sound	Dec., 1915	14,513.54			14,397.85
Paisley	Sept., 1923	1,639.39			1,631.44
Penetanguishene	July, 1911	669.81			799.20
Port McNicoll	Jan., 1915	81.45			283.94
Port Perry	Sept., 1922	2,356.29			2,303.01
Priceville	Mar., 1921		291.61	0.98	
Ripley	Jan., 1921		609.18	611.22	
Shelburne	July, 1916	2,317.60			1,967.90
Stayner	Oct., 1913	431.25			1,066.39
Sunderland	Nov., 1914		190.39		82.96
Tara	Feb., 1918		4,765.80	519.53	
Teeswater	Dec., 1920	678.32			665.60
Thornton	Nov., 1918		1,302.51		42.19
Tottenham	Oct., 1918		3,161.62	125.73	
Uxbridge	Sept., 1922	2,630.26			2,576.67
Victoria Harbor	July, 1914	86.14			328.47
Waubaushene	Dec., 1914	50.29			194.63
Wingham	Dec., 1920	1,271.62			1,252.07
Woodville	Nov., 1914	1,000.00			1,081.59

SYSTEM — CREDIT OR CHARGE

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjust- or Charged to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	0.96	.....	453.30	.....	813.00
70.94	.....	.....	9,703.87	.....	12,793.59
.....	0.14	.....	136.25	.....	190.04
.....	0.77	.....	622.30	.....	918.08
24.34	.....	1,058.87	.....	1,090.68	.....
54.93	.....	2,208.32	.....	2,289.93	.....
7.10	.....	.....	638.66	.....	1,387.64
4.19	.....	366.86	.....	374.09	.....
.....	3.37	.....	10.29	159.25	.....
.....	1.63	1,170.63	.....	1,222.65	.....
.....	2.03	.....	9.57	.....	23.60
95.71	.....	2,934.21	.....	4,318.67	.....
.....	203.95	.....	282.83	.....	5,543.72
4.47	.....	1,517.69	.....	1,525.82	.....
.....	159.95	137.17	.....	.....	3,998.71
3.70	.....	.....	133.40	.....	131.14
.....	17.63	176.56	.....	165.73	.....
6.52	.....	131.83	.....	229.01	.....
41.70	.....	3,641.80	.....	3,700.31	.....
86.64	.....	.....	2,772.76	.....	11,216.89
.....	9.01	1,313.23	.....	1,318.69	.....
.....	0.19	.....	1,055.73	.....	990.05
.....	55.88	4,118.78	.....	2,551.24	.....
227.11	.....	2,833.34	.....	3,176.14	.....
25.32	.....	1,552.14	.....	1,585.41	.....
8.22	.....	.....	3,016.33	.....	3,137.50
0.99	.....	.....	267.57	.....	469.07
35.06	.....	353.97	.....	442.31	.....
.....	11.67	.....	228.20	.....	530.50
.....	9.21	.....	572.58	.....	579.75
34.24	.....	1,311.40	.....	1,695.34	.....
5.29	.....	.....	672.64	.....	1,302.49
.....	7.61	496.58	.....	215.62	.....
.....	178.17	.....	394.02	.....	4,818.46
8.74	.....	.....	826.28	.....	804.82
.....	52.10	.....	86.88	.....	1,483.68
.....	110.98	.....	545.68	.....	3,692.55
39.67	.....	553.35	.....	646.61	.....
1.06	.....	.....	104.22	.....	345.49
0.61	.....	.....	108.93	.....	252.66
15.61	.....	.....	3,225.89	.....	3,190.73
16.78	.....	25.83	.....	.....	38.98

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of power ments made and interest added during the year, also the net amount Credited October 31, 1924, and the accumulated amount standing as

Rural power district	Date commenced operating	Net credit or charge at October 31, 1925		Cash receipts and payments on account of such credits and charges made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Rural Power Districts—					
Barrie	Aug., 1923	34.80		2.55	
Cannington, D 1	May, 1924	132.26		17.27	
Cannington, D 2	May, 1924	236.25		8.74	
Elmvale	Jan., 1924		23.27	0.95	
Flesherton	Feb., 1922	108.24			108.97
Mariposa	Sept., 1923	1,944.43		6.17	
Markdale	July, 1924		188.61	187.93	
Nottawasaga	Jan., 1922	815.59		3.58	
Port Perry	Dec., 1922	274.78		1.40	
Sparrow Lake	Oct., 1925				
Stayner	July, 1923		128.64	2.85	
Tara	Jan., 1925				
Uxbridge	Sept., 1925				
Walkerton Quarry	Feb., 1922	92.69		0.13	
Totals		68,704.46	36,007.65	4,273.05	85,740.25

GEORGIAN BAY SYSTEM

Reserve for Renewals Account, October 31, 1925

Total provisions for renewals to October 31, 1924	$467,553.95	
Total provisions for renewals to October 31, 1924, Muskoka system	23,100.51	
		$490,654.46
Deduct expenditures to October 31, 1924	$31,339.68	
Deduct expenditures to October 31, 1924, Muskoka system	1,195.05	
		32,534.73
Balance brought forward October 31, 1924		$458,119.73
Added during the year ending October 31, 1925:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$60,056.62	
Provision against equipment employed in respect of contracts with sundry companies	4,694.09	
Interest at 4% per annum on monthly balances to the credit of the account	18,368.10	
Provision for renewal of plant transferred from "rural" to rural power districts	1,082.84	
		84,201.65
		$542,321.38
Deduct:		
Renewals in equipment transferred or sold	$3,122.27	
Expenditures during the year ending October 31, 1925	20,656.39	
		23,778.66
Balance carried forward October 31, 1925		$518,542.72

SYSTEM — *CREDIT OR CHARGE*

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjust-or Charged to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1.39	.....	221.92	.....	260.66	.....
.....	0.14	145.44	.....	294.83	.....
1.68	.....	173.94	.....	420.61	.....
.....	0.93	.....	25.68	.....	48.93
2.52	.....	.....	114.14	.....	112.35
77.78	.....	833.58	.....	2,861.96	.....
.....	7.54	.....	155.79	.....	164.01
32.62	.....	144.65	.....	996.44	.....
10.99	.....	158.22	.....	445.39	.....
.....	.....	68.77	.....	68.77	.....
.....	5.15	291.42	.....	160.48	.....
.....	.....	66.10	.....	66.10	.....
.....	.....	.....	1.31	.....	1.31
3.71	.....	37.91	.....	134.44	.....
1,095.59	1,332.11	37,140.88	33,899.45	38,440.10	84,205.58

GEORGIAN BAY SYSTEM

Reserve for Contingencies Account, October 31, 1924

Total provision for contingencies to October 31, 1924		$81,602.55
Total provision for contingencies to October 31, 1924, Muskoka system		6,587.61
		$88,190.16
Added during the year ending October 31, 1925:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$16,495.68	
Provision against equipment employed in respect of contracts with sundry companies	1,542.05	
Interest at 4% per annum on monthly balances to the credit of the account	3,527.60	
		21,565.33
		$109,755.49
Deduct:		
Expenditures during the year ending October 31, 1925		31,156.93
Balance carried forward October 31, 1925		$78,598.56

GEORGIAN BAY SYSTEM

Sinking Fund to year ending October 31, 1925

Municipality	Sinking fund paid by each municipality as part of the cost of power delivered, together with its proportionate share of other sinking funds provided out of revenues of the system.	
	For period of	Amount
		$ c.
Alliston	2 years ending October 31, 1925	3,177.39
Arthur	4 " " " "	5,481.74
Barrie	7 " " " "	31,564.34
Beaverton	6 " " " "	8,193.31
Beeton	2 " " " "	2,878.98
Bradford	2 " " " "	2,774.13
Brechin	6 " " " "	3,626.83
Cannington	6 " " " "	6,227.32
Chatsworth	5 " " " "	1,161.54
Chesley	4 " " " "	7,804.59
Coldwater	7 " " " "	3,125.67
Collingwood	7 " " " "	52,128.09
Cookstown	2 " " " "	875.94
Creemore	6 " " " "	3,455.76
Dundalk	5 " " " "	2,983.03
Durham	5 " " " "	8,283.97
Elmvale	7 " " " "	5,461.92
Elmwood	2 " " " "	525.53
Flesherton	5 " " " "	1,647.37
Grand Valley	4 " " " "	2,868.84
Gravenhurst	5 " " " "	4,315.71
Hanover	4 " " " "	25,618.17
Holstein	4 " " " "	945.22
Huntsville	4 " " " "	13,480.68
Kincardine	1 " " " "	2,662.56
Kirkfield	1 " " " "	759.47
Lucknow	1 " " " "	1,277.50
Markdale	4 " " " "	1,915.65
Meaford	1 " " " "	1,590.39
Midland	7 " " " "	59,108.00
Mount Forest	5 " " " "	7,768.00
Neustadt	2 " " " "	2,239.26
Orangeville	4 " " " "	7,676.61
Owen Sound	5 " " " "	40,894.17
Paisley	1 " " " "	734.35
Penetang	9 " " " "	25,406.08
Port McNicoll	5 " " " "	1,424.76
Port Perry	1 " " " "	1,272.34
Priceville	1 " " " "	132.97
Ripley	1 " " " "	686.58
Shelburne	4 " " " "	4,459.59
Stayner	7 " " " "	4,992.72
Sunderland	6 " " " "	4,703.32
Tara	2 " " " "	1,577.07
Teeswater	1 " " " "	1,345.44

GEORGIAN BAY SYSTEM—Continued
Sinking Fund to year ending October 31, 1925

Municipality	Sinking fund paid by each municipality as part of the cost of power delivered, together with its proportionate share of other sinking funds provided out of revenues of the system. For period of	Amount
		$ c.
Thornton	2 years ending October 31, 1925	531.36
Tottenham	2 " " " "	1,643.39
Uxbridge	1 " " " "	1,412.95
Victoria Harbor	6 " " " "	1,930.21
Waubaushere	6 " " " "	1,041.35
Wingham	1 " " " "	3,425.54
Woodville	6 " " " "	5,019.14
Rural Power Districts—		
Barrie	3 " " " "	395.83
Cannington, D 1	2 " " " "	195.78
Cannington, D 2	2 " " " "	264.10
Elmvale	2 " " " "	134.41
Flesherton	4 " " " "	169.45
Mariposa	3 " " " "	1,282.90
Markdale	2 " " " "	44.90
Nottawasaga	4 " " " "	1,016.34
Port Perry	3 " " " "	92.09
Sparrow Lake	1 " " " "	12.21
Stayner	3 " " " "	1,000.09
Tara	1 " " " "	10.72
Uxbridge	1 " " " "	3.14
Walkerton Quarry	4 " " " "	124.46
Total		390,983.26

GEORGIAN BAY SYSTEM
Sinking Fund Reserve, October 31, 1925

Total provision for sinking fund to October 31, 1924:			
Georgian Bay system		$269,381 90	
Muskoka system		13,789.05	
			$283,170.95
Adjustment in respect of revision of rates to October 31, 1924		$20,468.07	
Less share of service building sinking fund transferred	$8,107.97		
Less amount deducted in respect of lines sold	336.77		
		8,444.74	
			12,023.33
			$295,194.28
Provided in the year ending October 31, 1925:			
In respect of advances by the Province for the construction of transmission lines and stations:			
By charges against municipalities		$78,015.28	
By charges against municipalities (rural lines)		61.08	
By charges against private companies		7,024.81	
			85,101.17
Interest at 4% per annum on the amount standing at the credit of the account			10,989.04
			$391,284.49

GEORGIAN BAY SYSTEM RURAL LINES

Statement showing Interest and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ending October 31, 1925

Lines operated by	Capital cost	Interest	Sinking fund	Total interest and sinking fund charged
	$ c.	$ c.	$ c.	$ c.
Brechin	911.24	54.58	16.40	70.98
Flesherton	1,876.91	115.43	33.51	148.94
Lucknow	331.45	18.23	5.96	24.19
Ripley	394.09	15.92	5.21	21.13
Totals	3,513.69	204.16	61.08	265.24

ST. LAWRENCE

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased		$75,595.42
Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expense chargeable to the operation of the system		36,448.91
Interest on capital investment		54,146.03
Provisions for renewal of generating plant, lines and stations, etc.		20,101.92
Provisions for contingencies:		
By charges against municipalities and rural power districts	$2,265.50	
By charges against against contracts with private companies	1,484.87	
		3,750.37
Provisions for sinking fund:		
By charges against municipalities and rural power districts	$11,676.51	
By charges against contracts with private companies which purchased power	6,415.22	
		18,091.73
		$208,134.38

ST. LAWRENCE SYSTEM—

Operating Account for year ending October 31, 1925, included in above account

Power purchased from Commission	$4,870.90
Costs of operating and maintaining transmission lines and equipment	1,840.94
Interest on capital investment	1,673.55
Provision for renewals of lines and equipment	1,188.03
Provision for contingencies	297.01
Provision for sinking fund for repayment of cash advances	551.72
	$10,422.15

GEORGIAN BAY SYSTEM RURAL LINES

Statement showing the total Sinking Fund requirements in respect of each line, and the total of the Sinking Fund payments with Interest allowed thereon to October 31, 1925

Lines operated by	Sinking fund requirements which have been paid		Interest at 4% per annum allowed on sinking fund payments	Total sinking fund payments and accumulated interest to October 31, 1925
	Period covered	Amount		
		$ c.	$ c.	$ c.
Brechin	7 years ending October 31, 1925	97.47	12.75	110.22
Flesherton	8 " " " "	153.42	14.71	168.13
Lucknow	2 " " " "	9.80	0.15	9.95
Ripley	4 " " " "	12.36	0.57	12.93
Totals		273.05	28.18	301.23

SYSTEM

Ending October 31, 1925

REVENUE FOR PERIOD

Collected from municipalities		$125,113.76
Power sold to private companies		86,649.15
		$211,762.91
Deduct:		
Amounts collected from certain municipalities in excess of the sum required to be paid by them for power supplies in the period	$6,708.03	
Less:		
Amounts due by certain municipalities, being the difference between sums paid and the cost of power supplied to them in the period	3,079.50	
		3,628.53
		$208,134.38

RURAL POWER DISTRICTS

of St. Lawrence System. For detail report see pages 200-201.

Revenue collected from rural power districts		$10,388.37
Add—		
Deficit on operation of certain rural power districts	$569.17	
Deduct—		
Surplus on operation of certain rural power districts	535.39	
		33.78
		$10,422.15

ST. LAWRENCE

Statement showing the amount to be paid by each Municipality as the Cost (under received by the Commission from each Municipality on account of such cost— upon ascertainment (by annual adjustment) of the actual

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating costs and		
					Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
Alexandria	80.00	126,342.07	294.2	4,031.50	5,102.32	6,875.07	2,526.64
Apple Hill	80.00	8,702.72	22.2	304.21	413.94	472.59	174.04
Brockville	38.00	248,536.39	1,375.7	18,851.58	8,705.13	13,156.50	4,969.80
Chesterville	60.00	66,375.43	210.8	2,888.65	2,008.14	3,525.50	1,327.36
Lancaster	97.00	34,555.28	27.6	378.21	907.58	1,883.99	691.09
Martintown	75.00	5,125.96	14.8	202.81	204.81	278.39	102.51
Maxville	86.00	36,879.39	45.9	628.98	659.82	2,007.97	737.56
Prescott	40.00	55,412.30	326.0	4,467.26	2,013.55	2,933.65	1,108.04
Williamsburg	65.00	7,541.28	24.0	328.88	763.25	403.45	150.81
Winchester	60.00	33,590.43	127.9	1,752.65	1,514.78	1,784.86	671.72
Rural Power Districts	—						
Brockville—Elizatown and Augusta twps.		7,342.88	38.4	526.21	351.80	384.50	146.82
Chesterville—Winchester twp.		3,022.80	9.6	131.55	77.97	162.05	60.46
Martintown—Charlottenburg and Lancaster twps.		9,199.01	14.3	195.96	335.42	494.90	183.97
Prescott—Edwardsburg and Augusta twps.		6,155.47	33.3	456.32	311.55	323.09	123.08
Totals—Municipalities		623,061.25	2,469.1	33,834.73	22,293.32	33,321.97	12,459.57
Totals—Rural Power Districts		25,720.16	95.6	1,310.04	1,076.74	1,364.54	514.33
Totals—Companies		356,645.26	2,951.9	40,450.65	13,078.85	19,459.52	7,128.02
Grand Totals		1,005,426.67	5,516.6	75,595.42	36,448.91	54,146.03	20,101.92
Non-operating Capital		142,113.18					
		1,147,539.85					

The Commission supplies power to and operates the rural power districts. Revenue derived therefrom is applied to meet the cost of providing the power generated and transmitted to each of the rural districts as shown in above table of costs.

The results of the operations in rural power districts are shown in operating reports on pages 200 and 201.

SYSTEM *COST OF POWER*

Section 23 of the Act) of Power supplied to it by the Commission, the amount and the amount remaining to be credited or charged to each Municipality cost of power supplied to it in the year ending October 31, 1925

fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies	Sinking Fund	Total	Companies Balance	Total cost of power for year as provided to be paid under section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
390.41	2,273.98	21,199.92	156.92	21,356.84	23,534.64	2,177.80	.....
32.73	156.64	1,554.15	11.84	1,565.99	1,776.63	210.64	.....
904.58	4,472.82	51,060.41	773.80	51,794.21	52,278.39	484.18	.....
237.69	1,194.62	11,181.96	112.44	11,294.40	12,646.95	1,352.55	.....
99.38	621.98	4,582.23	14.72	4,596.95	2,678.37	.....	1,918.58
20.10	92.26	900.88	7.89	908.77	1,113.74	204.97	.....
113.54	663.80	4,811.67	24.48	4,836.15	3,945.20	.....	890.95
215.58	997.23	11,735.31	173.88	11,909.19	13,038.09	1,128.90	.....
33.40	135.73	1,815.52	12.80	1,828.32	1,558.35	.....	269.97
126.73	604.55	6,455.29	68.22	6,523.51	7,672.50	1,148.99	.....
27.28	132.15	1,568.76	20.48	1,589.24	1,589.24	.....	.....
10.83	54.40	497.26	5.12	502.38	502.38	.....	.....
28.76	165.57	1,404.58	7.63	1,412.21	1,412.21	.....	.....
24.49	110.78	1,349.31	17.76	1,367.07	1,367.07	.....	.....
2,174.14	11,213.61	115,297.34	1,316.99	116,614.33	120,242.86	6,708.03	3,079.50
91.36	462.90	4,819.91	50.99	4,870.90	4,870.90	.....	.....
1,484.87	6,415.22	88,017.13	(1,367.98)	86,649.15	86,649.15	.....	.....
3,750.37	18,091.73	208,134.38	.....	208,134.38	211,762.91	.....	.....

ST. LAWRENCE SYSTEM—

Operating Report for Year

Name of district and townships included therein	Total capital investment in each district and the amount of Government grant applied thereto			Total cost of power for year as provided to be paid under section 23 of Act*
	Total	Government grant	Balance	
	$ c.	$ c.	$ c.	$ c.
Apple Hill—Kenyon twp.	348.65	63.59	285.06	.....
Brockville—Elizabethtown and Augusta twps.	19,345.90	9,672.95	9,672.95	1,589.24
Chesterville—Winchester twp.	4,218.46	2,109.23	2,109.23	502.38
Martintown—Charlottenburg and Lancaster twps.	8,709.14	3,514.55	5,194.59	1,412.21
Prescott—Edwardsburg and Augusta twps.	26,737.31	13,368.65	13,368.66	1,367.07
Williamsburg—Williamsburg twp.	486.34	243.17	243.17	.....
	59,845.80	28,972.14	30,873.66	4,870.90

*See "cost of power" table on preceding pages.

ST. LAWRENCE

Statement showing the net Credit or Charge to each Municipality in respect of power ments made, and interest added during the year, also the net amount Credited October 31, 1925, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1924		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Alexandria	Jan., 1921	1,935.09	.....	.....	1,897.50
Apple Hill	Apr., 1921	500.67	.....	.....	495.17
Brockville	Apr., 1915	6,909.30	.....	.....	6,212.92
Chesterville	Apr., 1914	1,957.46	.....	.....	1,971.43
Lancaster	May, 1921	.....	7,045.47	405.53	.....
Martintown	May, 1921	58.93	.....	.....	56.05
Maxville	Feb., 1921	.....	3,222.35	10.55	.....
Prescott	Dec., 1913	2,177.93	.....	.....	2,195.93
Williamsburg	Apr., 1915	161.74	.....	.....	220.77
Winchester	Jan., 1914	1,243.74	.....	.....	1,253.78
Rural Power Districts—					
Apple Hill	Nov., 1923	.....	.....	.....	.....
Brockville	July, 1922	1,517.39	.....	15.28	.....
Chesterville	May, 1922	0.49	.....	2.09	.....
Martintown	Jan., 1922	.....	1,016.71	.....	48.08
Prescott	June, 1922	.....	120.43	10.80	.....
Williamsburg	Feb., 1923	.....	.....	.....	.....
		16,462.74	11,404.96	444.25	14,351.63

RURAL POWER DISTRICTS *RURAL OPERATING*

Ending October 31, 1925

Cost of operation, maintenance and administration	Interest on capital investment	Renewal charges	Contingencies	Sinking fund	Total cost	Revenue	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
14.77	15.56	6.97	1.74	5.13	44.17	90.60	46.43	.....
575.48	525.61	385.08	96.27	173.28	3,344.96	3,596.21	251.25	.....
94.16	115.16	84.37	21.09	37.96	855.12	726.91	.....	128.21
339.61	281.59	172.69	43.18	92.83	2,342.11	1,901.15	.....	440.96
816.86	722.35	529.19	132.30	238.14	3,805.91	3,993.89	187.98	.....
0.06	13.28	9.73	2.43	4.38	29.88	79.61	49.73	.....
1,840.94	1,673.55	1,188.03	297.01	551.72	10,422.15	10,388.37	535.39	569.17

SYSTEM *CREDIT OR CHARGE*

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjust-or Charged to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
24.39	.....	2,177.80	.....	2,239.78	.....
6.38	.....	210.64	.....	222.52	.....
78.74	.....	484.18	.....	1,259.30	.....
28.37	.....	1,352.55	.....	1,366.95	.....
.....	266.17	.....	1,918.58	.....	8,824.69
0.74	.....	204.97	.....	208.59	.....
.....	128.89	.....	890.95	.....	4,231.64
26.59	.....	1,128.90	.....	1,137.49	.....
2.05	.....	.....	269.97	.....	326.95
17.31	.....	1,148.99	.....	1,156.26	.....
.....	.....	46.43	.....	46.43	.....
60.70	.....	251.25	.....	1,844.62	.....
0.02	.....	.....	128.21	.....	125.61
.....	40.67	.....	440.96	.....	1,546.42
.....	4.82	187.98	.....	73.53	.....
.....	.....	49.73	.....	49.73	.....
245.29	440.55	7,243.42	3,648.67	9,605.20	15,055.31

ST. LAWRENCE SYSTEM

Reserve for Renewals Account, October 31, 1925

Total provisions for renewals to October 31, 1924	$121,460.94	
Deduct expenditures to October 31, 1924	9,204.27	
Balance brought forward October 31, 1924		$112,256.67
Added during the year ending October 31, 1925:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$14,161.93	
Provision against equipment employed in respect of contracts with sundry companies	7,128.02	
Interest at 4% per annum on monthly balances to the credit of the account	4,490.27	25,780.22
		$138,036.89
Expenditures during the year ending October 31, 1925		2,408.43
Balance carried forward October 31, 1925		$135,628.46

ST. LAWRENCE SYSTEM

Sinking Fund for year ending October 31, 1925

Municipality	Sinking fund paid by each municipality as part of the cost of power delivered, together with its proportionate share of other sinking funds provided out of revenues of the system.	
	For period of	Amount
		$ c.
Alexandria	1 year ending October 31, 1925	4,921.18
Apple Hill	1 " " " "	425.18
Brockville	5 " " " "	42,685.31
Chesterville	6 " " " "	10,287.93
Lancaster	1 " " " "	916.56
Martintown	1 " " " "	252.14
Maxville	1 " " " "	1,246.38
Prescott	6 " " " "	9,725.98
Williamsburg	5 " " " "	970.29
Winchester	6 " " " "	5,187.09
Rural Power Districts—		
Apple Hill	1 " " " "	5.13
Brockville	4 " " " "	1,820.93
Chesterville	4 " " " "	376.89
Martintown	4 " " " "	937.83
Prescott	4 " " " "	1,559.12
Williamsburg	1 " " " "	4.38
Totals		$81,322.32

ST. LAWRENCE SYSTEM

Reserve for Contingencies Account, October 31, 1925

Total provision for contingencies to October 31, 1924	$32,093.33	
Additional profit from sundry customers in year ending October 31, 1924	4,500.00	
		$36,593.33
Added during the year ending October 31, 1925:		
Amounts charged to municipalities and rural power districts as part of the cost of power delivered to them	$2,562.51	
Provision against equipment employed in respect of contracts with sundry companies	1,484.87	
Interest at 4% per annum on monthly balances to the credit of the account	1,283.73	
		5,331.11
		$41,924.44

ST. LAWRENCE SYSTEM

Sinking Fund Reserve, October 31, 1925

Total provision for sinking fund to October 31, 1924		$62,120.96
Less:		
Adjustment in respect to revision of rates to October 31, 1924.	$735.81	
Less:		
Share of service building sinking fund transferred	1,145.31	
		1,881.12
		$60,239.84
Provided in the year ending October 31, 1925:		
In respect of advances by the province for the construction of transmission lines and stations:		
By charges against municipalities	$12,228.23	
By charges against private companies	6,415.22	
		18,643.45
Interest at 4% per annum on the amounts standing at the credit of the account		2,439.03
		$81,322.32

RIDEAU

Operating Account for Year

COSTS OF OPERATION AS PROVIDED FOR UNDER SECTIONS 6C AND 23 OF THE ACT

Power purchased		$6,046.34
Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expense chargeable to the operation of the system		27,541.64
Interest on capital investment		61,681.47
Provisions for renewal of generating plant, lines and stations, etc		10,642.31
Provision for contingencies:		
By charges against municipalities	$4,907.34	
By charges against contracts with private companies	145.58	
		5,052.92
Provisions for sinking fund:		
By charges against municipalities	$18,909.07	
By charges against contracts with private companies which purchased power	569.73	
		19,478.80
		$130,443.48

RIDEAU

Statement showing the amount to be paid by each Municipality as the Cost received by the Commission from each Municipality on account of such cost—upon ascertainment (by annual adjustment) of the actual

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are are payable	Average horse-power supplied in year after correction for power factor	Cost of power to Commission	Share of operating costs and		
					Operating maintenance and administrative expenses	Interest	Renewals
	$ c.	$ c.		$ c.	$ c.	$ c.	$ c.
CarletonPl.	46.50	372,025.22	807.7	2,064.26	8,929.43	21,225.30	3,684.73
Kemptville	60.00	86,970.77	155.3	396.90	2,457.64	4,963.71	1,017.27
Lanark	75.00	26,081.85	36.7	93.80	614.47	1,488.59	350.98
Perth	47.50	242,627.60	514.8	1,315.69	6,069.78	13,843.93	2,458.85
SmithsFalls	40.00	322,797.31	783.2	2,001.65	8,723.32	18,352.63	2,814.09
Totals—Municipalities		1,050,502.75	2,297.7	5,872.30	26,794.64	59,874.16	10,325.92
Totals—Companies		31,651.79	68.1	174.04	747.00	1,807.31	316.39
Grand Totals		1,082,154.54	2,365.8	6,046.34	27,541.64	61,681.47	10,642.31
Non-operating capital		23,847.66					
		1,106,002.20					

SYSTEM

ending October 31, 1925

REVENUE FOR PERIOD

Collected from municipalities	$105,416.59
Power sold to private companies	3,291.69
	$108,708.28
Add:	
Amounts due by certain municipalities, being the difference between sums paid and the cost of power supplied to them in the period	21,735.20
	$130,443.48

SYSTEM *COST OF POWER*

(under Section 23 of the Act) of Power supplied to it by the Commission—the amount and the amount remaining to be credited or charged to each Municipality cost of power supplied to it in the year ending October 31, 1925

fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Contingencies	Sinking fund	Total	Companies balances	Total cost of power for year as provided to be paid section 23 of Act	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,724.57	6,696.46	44,324.75	164.64	44,489.39	37,558.05	.....	6,931.34
374.80	1,565.48	10,775.80	31.65	10,807.45	9,320.50	.....	1,486.95
108.34	469.47	3,125.65	7.48	3,133.13	2,754.99	.....	378.14
1,123.86	4,367.30	29,179.41	104.94	29,284.35	24,454.76	.....	4,829.59
1,575.77	5,810.36	39,277.82	159.65	39,437.47	31,328.29	.....	8,109.18
4,907.34	18,909.07	126,683.43	468.36	127,151.79	105,416.59	.....	21,735.20
145.58	569.73	3,760.05	(468.36)	3,291.69	3,291.69	.....	.....
5,052.92	19,478.80	130,443.48	.....	130,443.48	108,708.28	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....

RIDEAU

Statement showing the net Credit or Charge to each Municipality in respect of power ments made, and interest added during the year, also the net amount Credited October 31, 1925, and the accumulated amount standing as

Municipality	Date commenced operating	Net credit or charge at October 31, 1924		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Carleton Place	May, 1919	4,846.26	.....	.....	4,828.06
Kemptville	Dec., 1921	721.48	.....	.....	713.41
Lanark	Sept., 1921	216.66	.....	.....	216.61
Perth	Feb., 1919	2,357.20	.....	.....	2,375.49
Smiths Falls	Sept., 1919	.....	1,787.51	1,736.12	.....
		8,141.60	1,787.51	1,736.12	8,133.57

RIDEAU SYSTEM

Reserve for Renewals Account, October 31, 1925

Total provisions for renewals to October 31, 1924	$58,681.49	
Deduct expenditures to October 31, 1924	649.95	
Balance brought forward October 31, 1924		$58,031.54
Added during the year ending October 31, 1925:		
Amounts charged to municipalities as part of the cost of power delivered to them	$10,325.92	
Provision against equipment employed in respect of contracts with sundry companies	316.39	
Interest at 4% per annum on monthly balances to the credit of the account	2,321.26	
Renewals reserve provided on second-hand equipment purchased	2.44	
		12,966.01
		$70,997.55
Expenditures during the year ending October 31, 1925		50.25
Balance carried forward October 31, 1925		$70,947.30

RIDEAU SYSTEM

Reserve for Contingencies Account, October 31, 1925

Total provision for contingencies to October 31, 1924		$16,616.89
Added during the year ending October 31, 1925:		
Amounts charged to municipalities as part of the cost of power delivered to them	$4,907.34	
Provision against equipment employed in respect of contracts with sundry companies	145.58	
Interest at 4% per annum on monthly balances to the credit of the account	664.68	
		5,717.60
		$22,334.49

SYSTEM — CREDIT OR CHARGE

supplied to it to October 31, 1924, the cash receipts and payments thereon, adjust- or Charged to each Municipality in respect of power supplied in the year ending a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a charge on October 31, 1925
Credited	Charged	Credited	Charged	Charge
$ c.	$ c.	$ c.	$ c.	$ c.
66.82	.....	.....	6,931.34	6,846.32
8.61	.....	.....	1,486.95	1,470.27
2.73	.....	.....	378.14	375.36
29.78	.....	.....	4,829.59	4,818.10
.....	25.27	.....	8,109.18	8,185.84
107.94	25.27	.....	21,735.20	21,695.89

RIDEAU SYSTEM

Sinking Fund to year ending October 31, 1925

Municipality.	Sinking fund paid by each municipality as part of the cost of power delivered, together with its proportionate share of other sinking funds provided out of revenues of the system.	
	For period of	Amount
		$ c.
Carleton Place	1 year ending October 31, 1925	8,033.10
Kemptville	1 " " " "	1,756.35
Lanark	1 " " " "	522.96
Perth	1 " " " "	5,158.32
Smiths Falls	2 " " " "	12,593.61
Totals	.....	28,064.34

RIDEAU SYSTEM

Sinking Fund Reserve, October 31, 1925

Total provision for sinking fund to October 31, 1924		$9,298.04
Share of service building sinking fund transferred		1,042.70
		$8,255.34
Provided in the year ending October 31, 1925:		
In respect of advances by the Province for the construction of transmission lines and stations:		
By charges against municipalities	$18,909.07	
By charges against private companies	569.73	
		19,478.80
Interest at 4% per annum on the amounts standing at the credit of the account		330.20
		$28,064.34

THUNDER BAY

Operating Account for Year

Cost of Operation

Costs of operating and maintaining the generating plant, transmission lines, stations, etc., including the proportion of administrative expenses chargeable to the operation of this system	$96,282.58
Interest on capital investment	549,593.86
Provision for renewal of generating plant, lines and stations	83,519.45
Provision for contingencies	54,529.30
Operating balance applicable to provision for sinking fund	3,747.80
	$787,672.99

THUNDER BAY SYSTEM

Reserve for Renewals Account, October 31, 1925

Provision for renewals for year ending October 31, 1924	$57,268.93	
Interest on this amount for one year to October 31, 1925	2,290.76	
		$59,559.69
Amounts charged to municipalities and sundry customers as part of the cost of power delivered to them in the year ending October 31, 1925		83,519.45
Provision for renewals on second-hand equipment purchased		16,957.77
		$160,036.91
Expenditures during the year ending October 31, 1925		34.17
		$160,002.74

HYDRO-ELECTRIC POWER

Account with the Provincial Treasurer

April 30, 1925:	
Cheque to cover interest for six months, November 1, 1924, to April 30, 1925	$4,378,397.62
October 31, 1925:	
Cheque to cover interest for six months May 1, 1925, to October 31, 1925	3,772,681.28
November 1, 1924, to October 31, 1925:	
Provincial expenditures	51,714.08
Balance carried down	146,603,594.99
	$154,806,387.97

SYSTEM

Ending October 31, 1925

REVENUE FOR PERIOD

Collected from municipalities and sundry power customers	$787,672.99
	$787,672.99

THUNDER BAY SYSTEM

Reserve for Contingencies Account, October 31, 1925

Credit balance on operating account for the year ending October 31, 1924, applicable to reserves for renewals and contingencies		$52,560.09
Amounts charged to municipalities and sundry power customers as part of the cost of power in the year ending October 31, 1925	$54,529.30	
Interest at 4% per annum on monthly balances to the credit of the account	2,102.40	56,631.70
		$109,191.79
Deduct:		
Amount required to provide renewals reserve for year ending October 31, 1924, including interest ($2,290.76) at 4% for one year	$59,559.69	
Expenditures during the year ending October 31, 1925	18,109.18	77,668.87
Balance		$31,522.92

COMMISSION OF ONTARIO

for the Year Ending October 31, 1925

OCTOBER 31, 1925:		
Sundry cash advances:		
General account	$60,943,785.43	
Chippawa development account	71,066,261.08	
Central Ontario system	14,519,262.56	
Provincial expense account	126,000.00	
		$146,655,309.07
Interest on balances to October 31, 1925		8,151,078.90
		$154,806,387.97
NOVEMBER 1, 1925:		
Balance		$146,603,594.99

SANDWICH, WINDSOR AND AMHERSTBURG RAILWAY

Operating Account for the Year ending October 31, 1925

EXPENDITURE

Transportation expenses	$251,506.15	
Maintenance—way and structures	54,153.68	
Maintenance—equipment	87,376.51	
Power	105,974.13	
General operating and management expenses	43,200.54	
Proportion of administrative and accounting expenses of the Commission chargeable to the operation of the railway	17,533.44	
Taxes	3,051.02	
Insurance—Fire and Liability	37,905.05	
Written off valuation and other expenses re purchase of the railways and re issue of bonds	5,235.80	
Total operating expenses		$605,936.32
Interest on debentures and other interest		189,931.83
		$795,868.15
Reserve for renewal of road and equipment, provided to extent of net revenue available		64,434.94
		$860,303.09

REVENUE

Passenger	$798,131.30
Freight and express	49,877.90
Miscellaneous	12,293.89
	$860,303.09

GUELPH RADIAL RAILWAY

Operating Account for the Year ending October 31, 1925

EXPENDITURE

Transportation expense	$20,526.58	
Maintenance—way and structures	7,055.10	
Maintenance—equipment	11,395.18	
Power	9,421.57	
General operating and management expenses	8,819.56	
Proportion of administrative and accounting expenses of the Commission chargeable to the operation of the Railway	2,601.78	
Insurance	4,020.62	
Taxes	2,748.86	
Written off valuation and other expenses re purchase by the Commission	256.30	
		$66,845.55
Interest on debentures and bank borrowings		17,807.97
Provision for instalments payable to the city of Guelph on May 1, 1925, and November 1, 1925, under purchase agreement:		
Interest for year	$5,850.67	
On account of principal	5,849.33	
		11,700.00
		$96,353.52

REVENUE

Operating revenue	$77,916.40
Net deficit for year after provision for instalments on account of principal and interest payable to the city of Guelph	18,437.12
	$96,353.52

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TORONTO AND YORK RADIAL RAILWAYS

Combined Operating Account for Year ending October 31, 1925

EXPENDITURE

	Metropolitan	Scarboro	Mimico	Total
	$ c.	$ c.	c.	$ c.
Transportation expenses	149,380.07	39,424.55	81,386.10	270,190.72
Maintenance—Way and structures	96,334.64	10,761.55	19,797.43	126,893.62
Maintenance—Equipment	55,843.71	8,351.45	17,087.00	81,282.16
Power costs	100,846.40	22,835.63	40,177.41	163,859.44
General operating and management expenses	43,981.44	6,333.74	15,003.98	65,319.16
Proportion of the administrative and accounting expenses of the Commission chargeable to the operation of the railways	13,721.61	3,017.72	6,302.31	23,041.64
Taxes	8,238.64	583.38	2,128.03	10,950.05
Insurance—Fire and Liability	26,504.10	4,726.26	8,955.12	40,185.48
Written off valuation and other expenses re purchase by the Commission	3,319.32	424.56	459.84	4,203.72
Total operating expenses	498,169.93	96,458.84	191,297.22	785,925.99
Interest: On bonds, $2,375,000 issued by the Commission to cover the purchase price of the railways	112,500.00	14,400.00	15,600.00	142,500.00
Bank and other interest	30,406.82	2,437.56	14,108.05	46,952.43
	641,076.75	113,296.40	221,005.27	975,378.42

REVENUE

	Metropolitan	Scarboro	Mimico	Total
	$ c.	$ c.	$ c.	$ c.
Passenger	354,142.10	82,485.60	155,158.79	591,786.49
Freight	107,418.79	.....	.....	107,418.79
Rentals of property—including amount charged Niagara system for use of poles	14,901.06	840.47	859.67	16,601.20
Miscellaneous	10,473.32	1,388.73	587.62	12,449.67
	486,935.27	84,714.80	156.606.08	728,256.15
Deficit for the year	154,141.48	28,581.60	64,399.19	247,122.27
	641,076.75	113,296.40	221,005.27	975,378.42

CENTRAL ONTARIO AND TRENT SYSTEM AND NIPISSING SYSTEM

The following balance sheet and operating account relate to the systems known as "Central Ontario and Trent" and "Nipissing" which together serve electrical energy to sixty-one municipalities and companies. The Central Ontario and Trent system extends from the municipality of Whitby on the west to and including the city of Kingston on the east and as far north as Lindsay. The Nipissing system supplies the town of North Bay and vicinity. These systems were purchased by the provincial Government, as at the 1st of March, 1916, from the Electric Power Company, Limited, which owned or controlled the capital stock of twenty-two subsidiary companies, the purchase price being the sum of $8,350,000, payable in ten years, secured by a government bond issue bearing interest at four per cent per annum.

Since the acquisition of these properties, and their transfer to the Commission to operate in trust for the Government, it has been found necessary to enlarge, extend and improve the systems to meet the increasing demands for electrical service.

The Central Ontario system and the Trent system both receive their electrical energy from the same sources of power supply through the same main transmission network, and from the standpoint of power development and electrical operation are regarded as a unit and now known as the Central Ontario and Trent system. It may be explained that after the Central Ontario system was purchased by the provincial Government, a number of municipalities in Central Ontario, from time to time, applied to the Hydro-Electric Power Commission for power to be supplied under the provisions of the Power Commission Act. The municipalities in central Ontario which thus enter into direct relationship with the Hydro-Electric Power Commission are for purposes of financial administration grouped in what is termed the "Trent" system.

The operation of these two systems—the "Central Ontario and Trent" and the "Nipissing"—entails the generation, transformation and transmission of electrical energy to thirty-seven municipalities and twenty-four companies, and in addition thereto the operation of three gas plants—at Peterborough, Oshawa and Cobourg—the Cobourg waterworks, the Peterborough street railway, the Campbellford pulp mill and certain pulpwood limits connected therewith.

With the exception of fourteen municipalities, namely, Bloomfield, Havelock, Kingston, Lakefield, Madoc, Marmora, Norwood, Omemee, Peterborough, Picton, Stirling, Warkworth, Wellington and Whitby, ten of which were connected to the system subsequent to the date of purchase, and constitute the Trent system, the whole property, local and otherwise, is operated and maintained by the Commission. Although the ownership of the whole plant is vested in the province (except the fourteen local systems of the municipalities mentioned), precisely the same methods, with respect to the control of rates, operation, maintenance, and provision for renewal of plant and equipment, are applied, as appertain to the other systems controlled and operated by the Commission.

An annual adjustment of the system's capital cost and expenses is made and those municipalities operating their own utilities and which have contracts for power to be supplied at cost, receive an additional charge or credit—as the case may be—on account of power cost as ascertained by this adjustment, just as is done in the case of the municipalities comprising the Niagara system and other systems.

CENTRAL ONTARIO

(ALSO NIPISSING

Operated by the Hydro-Electric

Statement of Assets and

ASSETS

Central Ontario system:		
Power developments and hydraulic rights	$7,681,694.08	
Transformer stations	742,137.89	
Transmission lines	1,714,878.55	
		$10,138,710.52
Local Utilities—Electric, gas, water and street railway		2,874,745.50
Service buildings		34,376.66
Nipissing system:		
Power development and standby plant	$697,181.23	
Transformer stations	36,834.83	
Transmission lines	42,757.40	
		776,773.46
Local Utilities—Electric		223,944.44
Service buildings		6,343.66
Rural power districts	$110,493.60	
Less Provincial grant	55,246.80	
		55,246.80
Pulp mill and pulpwood areas		537,248.89
		$14,647,389.93
Sinking fund investments:		
In securities of the province of Ontario at book value	$52,474.05	
Interest accured thereon	1,002.08	
		53,476.13
Reserve fund investments:		
In securities of the province of Ontario at book value	$295,689.63	
In securities of (or guaranteed by) the Dominion of Canada—at book value	901,905.55	
Interest accrued thereon	18,025.00	
		1,215,620.18
Other investments:		
Debentures of the town of Trenton, re sale of waterworks	$18,426.47	
Debentures of the town of Napanee, re sale of property and water privileges	12,499.15	
Interest accrued thereon	1,210.60	
		32,136.22
Inventories:		
Tools and equipment	$61,257.45	
Material and supplies	230,967.40	
		292,224.85
Accounts receivable:		
Power and pulp mill accounts	$95,231.41	
Consumers supply and sales accounts	22,340.72	
Consumers light and power accounts	18,885.05	
	$136,457.18	
Less: Reserve for doubtful accounts	7,564.73	
		128,892.45
Advances on contracts for pulpwood		5,629.00
Balances due by certain municipalities in respect of the cost of power supplied to them as provided to be paid under their contracts with the Commission		19,470.62
Cash in banks		5,454.28
Hydro-Electric Power Commission of Ontario—current account		146,239.12
Expenses and insurance prepaid		6,751.04
		$16,553,283.82

AND TRENT SYSTEM

SYSTEM)

Power Commission of Ontario

Liabilities, October 31, 1925

LIABILITIES

Provincial Treasurer:		
Purchase price of system	$8,350,000.00	
Debentures issued in connection with purchase of Bruton Township pulpwood area	225,000.00	
Cash advances	5,944,262.56	
		$14,519,262.56
Debentures assumed in respect of rural lines in Whitby and East Whitby townships	$14,181.54	
Interest accrued thereon	656.14	
		14,837.68
Accounts payable and accrued charges	$21,762.23	
Consumers' deposits	22,501.01	
Unearned water rates	2,514.00	
		46,777.24
Balances due to certain municipalities in respect of amounts paid by them in excess of the cost of power supplied to them as provided to be paid under their contracts with the Commission		14,137.74
Reserves for sinking funds:		
For retirement of bonds issued in purchase of Bruton Township pulpwood areas	$52,125.49	
For repayment of cost of mill at Bancroft	8,664.56	
		60,790.05
Reserve for renewals		1,682,687.91
Reserve for contingencies		191,281.59
Surplus		23,509.05
Contingent Liabilities:		
In respect of contracts entered into for works under construction	$38,201.67	
		$16,553,283.82

CENTRAL ONTARIO

(ALSO NIPISSING

Operating Account for the Year

Cost of Operation

Power Department:		
Power purchased	$8,550.76	
Cost of operating and maintaining generating plants, transmission lines, stations, rural power districts, etc., including rentals of water powers, and the proportion of administrative expenses chargeable to the operation of the power department	504,355.81	
Interest on capital investment	477,745.14	
Provision for renewal of generating plants, lines, stations, rural power districts, etc	92,515.02	
Provision for contingencies	53,992.84	
		$1,137,159.57
Utilities:		
Cost of operating and maintaining electric light distribution systems, gas systems, water system and the Peterborough street railway, including all materials and supplies purchased and the proportion of administrative expenses chargeable to the operation of these utilities	$437,117.93	
Interest on capital investment	135,862.48	
Provision for renewal of plants and equipment	52,465.49	
		625,445.90
Total cost of operation of power department and utilities		$1,762,605.47
Net loss for year on operation of pulp mill and Bruton Township pulpwood areas		78,708.46
		$1,841,313.93
Net operating surplus for year		13,243.52
		$1,854,557.45

Surplus

Balance as shown on statement of assets and liabilities	$23,509.05
	$23,509.05

AND TRENT SYSTEM

SYSTEM)

ending October 31, 1925

	Revenue for Period	
Power sold to private companies and certain municipalities	$316,011.35	
Power supplied to certain other municipalities at cost in accordance with their contracts with the Commission	204,791.94	
Power supplied at cost to the Peterborough street railway, the Campbellford pulp mill and works under construction	67,552.82	$588,356.11
Light and power sold to consumers on the nineteen electric light distribution systems	$931,711.18	
Gas sold to consumers on three gas systems and sales of by-products	195,266.55	
Water sold to consumers on one water system	36,441.99	
Revenue from Peterborough street railway	79,160.90	1,242,580.62
Total revenue from power department and utilities		$1,830,936.73
Net profit on sale of equipment and supplies		23,620.72
		$1,854,557.45

Account	
Credit balance brought forward from October, 1924	$10,265.53
Net operating surplus for the year ending October 31, 1925	13,243.52
	$23,509.05

CENTRAL ONTARIO

Statement showing the amount to be paid by each of the following Municipalities received by the Commission from each Municipality on account of such ascertaining, by annual adjustment, the actual cost of power

Municipality	Interim rates per horse-power collected by Commission during year	Share of capital cost of system on which interest and fixed charges are payable	Average horse-power supplied in year after correction for power factor	Share of operating costs	
				Operating, maintenance and administrative expenses	Interest
	$ c.	$ c.		$ c.	$ c.
Bloomfield	70.00	39,991.40	75.3	1,600.82	1,776.13
Havelock	58.00	68,204.11	177.0	3,571.39	2,767.30
Lakefield	42.00	48,965.78	99.7	2,974.20	2,150.61
Marmora	35.00	20,146.70	58.9	819.53	887.55
Norwood	35.00	25,072.62	91.4	1,583.20	1,091.31
Peterboro	22.50	1,095,335.56	4,722.5	48,642.82	47,773.19
Picton	48.00	192,640.05	422.5	6,818.12	8,533.36
Warkworth	85.51 and 65.00	15,012.39	36.1	1,098.51	662.80
Wellington	46.00	37,817.68	89.3	1,884.85	1,672.83
Whitby	25.00	179,254.45	680.4	8,735.58	7,613.82
Rural Power Districts—					
Bowmanville — Darlington township	30.00	1,135.43	3.0	49.95	50.06
Campbellford—Seymour township	41.00	20,173.77	54.2	1,857.30	889.91
Colborne—Haldimand township	30.00	8,779.45	7.1	359.12	154.35
Kingston—Kingston township	26.00	35,388.17	66.6	1,995.13	1,567.05
Oshawa—East Whitby township. —Whitby township. —Pickering township.	26.00	50,499.30	92.9	2,990.93	2,204.58
Trenton—Murray township	30.00	716.10	1.5	25.76	31.75
Totals	.....	1,839,132.96	6,678.4	85,007.21	79,826.60

AND TRENT SYSTEM *COST OF POWER*

as the Cost of Power supplied to it under its contract with the Commission, the amount cost, and the amount credited or charged to each Municipality upon supplied to it in the year ending October 31, 1925

and fixed charges						Amounts remaining to be credited or charged to each municipality upon ascertainment of the actual cost of power by annual adjustment	
Renewals	Contingencies	Total	Company balances	Total cost of power for year as provided to be paid under contracts	Amounts paid to the Commission by each municipality	Credited	Charged
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
571.57	123.53	4,072.05	231.22	4,303.27	5,269.22	965.95	.....
719.54	205.27	7,263.50	543.53	7,807.03	10,267.69	2,460.66	.....
667.66	156.55	5,949.02	306.16	6,255.18	4,187.57	.....	2,067.61
224.66	72.82	2,004.56	180.87	2,185.43	2,061.18	.....	124.25
221.87	87.29	2,983.67	280.67	3,264.34	3,197.78	.....	66.56
7,645.73	3,481.96	107,543.70	14,501.71	122,045.41	106,256.02	.....	15,789.39
2,572.08	569.13	18,492.69	1,297.40	19,790.09	20,280.88	490.79	.....
190.37	50.28	2,001.96	110.86	2,112.82	2,475.31	362.49	.....
485.66	122.47	4,165.81	274.22	4,440.03	4,105.83	.....	334.20
1,425.54	558.00	18,332.94 Cr	1,787.24 (3,110.09)*	17,010.09	17,010.09	.....	.....
20.80	2.57	123.38	9.21	132.59	168.97	36.38	.....
378.50	43.84	3,169.55	166.44	3,335.99	2,709.56	.....	626.46
77.02	7.25	597.74	21.80	619.54	710.73	91.19	.....
778.82	68.94	4,409.94	204.51	4,614.45	4,202.55	.....	411.90
1,240.35	74.38	6,510.24	285.28	6,795.52	12,364.88	5,569.36	.....
16.84	1.20	75.55	4.61	80.16	100.38	20.22	.....
17,237.01	5,625.48	187,696.30	17,095.64	204,791.94	195,368.64	9,997.04	19,420.34

*Adjustment.

CENTRAL ONTARIO

Statement showing the net Credit or Charge to each of the following Municipalities thereon, adjustments made, and interest added during the year, also the net in the year ending October 31, 1925, and the accumulated amount

Municipality	Date commenced operating	Net credit or charge at October 31, 1924		Cash receipts and payments on account of such credits and charges, also adjustments made during the year	
		Credit	Charge	Credited	Charged
		$ c.	$ c.	$ c.	$ c.
Bloomfield	April, 1919	1,349.46			1,349.46
Havelock	Feb., 1921	1,311.78			1,311.78
Lakefield	Aug., 1920		259.14	259.14	
Marmora	Jan., 1921		39.17	39.17	
Norwood	Feb., 1921	305.09			305.09
Peterboro	Mar., 1913		35,385.04	35,385.04	
Picton	April, 1919	2,996.44			2,996.44
Warkworth	Oct., 1923	1,457.51			1,457.51
Wellington	April, 1919	601.01			601.01
Whitby	Mar., 1916	2,543.34			2,543.34
Rural Power Districts—					
Bowmanville — Darlington township	Jan., 1924	82.70			
Campbellford—Seymour township	Aug., 1924	274.40			
Colborne—Haldimand twp.	Aug., 1925				
Kingston—Kingston twp.	Jan., 1923	1,168.46			
Oshawa — East Whitby township. —Whitby township. —Pickering township.	April, 1918	3,000.97			
Trenton—Murray twp.	Jan., 1924	16.08			
Totals		15,107.24	35,683.35	35,683.35	10,564.63

CENTRAL ONTARIO AND TRENT SYSTEM (ALSO NIPISSING SYSTEM)

Reserve for Renewals Account, October 31, 1925

Total provision for renewals to October 31, 1924		$1,618,774.75
Deduct:		
Expenditures to October 31, 1924		121,130.37
Balance brought forward October 31, 1924		$1,497,644.38
Added during the year ending October 31, 1925:		
By charges against operation	$148,578.67	
Interest at 4% per annum on the monthly balances to the credit of the account	59,848.83	
		208,427.50
		$1,706,071.88
Deduct:		
Expenditures during the year ending October 31, 1925		23,383.97
Balance carried forward, October 31, 1925		$1,682,687.91

AND TRENT SYSTEM *CREDIT OR CHARGE*

in respect of power supplied to it to October 31, 1924, the cash receipts and payments amount Credited or Charged to each Municipality in respect of power supplied standing as a Credit or Charge to each Municipality at October 31, 1925

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1925		Accumulated amount standing as a credit or charge on October 31, 1925	
Credited	Charged	Credited	Charged	Credit	Charge
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
24.79	.....	965.95	.....	990.74	.....
13.91	.....	2,460.66	.....	2,474.57	.....
.....	3.78	.....	2,067.61	.....	2,071.39
.....	0.46	.....	124.25	.....	124.71
4.04	.....	.....	66.56	.....	62.52
.....	756.18	.....	15,789.39	.....	16,545.57
43.80	.....	490.79	.....	534.59	.....
31.16	.....	362.49	.....	393.65	.....
8.82	.....	.....	334.20	.....	325.38
.....	.....	.....	.....	.....	.....
3.31	.....	36.38	.....	122.39	.....
10.98	.....	.....	626.43	.....	341.05
.....	.....	91.19	.....	91.19	.....
46.74	.....	.....	411.90	803.30	.....
120.04	.....	5,569.36	.....	8,690.37	.....
0.64	.....	20.22	.....	36.94	.....
308.23	760.42	9,997.04	19,420.34	14,137.74	19,470.62

CENTRAL ONTARIO AND TRENT SYSTEM
(ALSO NIPISSING SYSTEM)

Reserve for Contingencies Account, October 31, 1925

Balance brought forward, October 31, 1924		$149,330.34
Added during the year ending October 31, 1925:		
By charges against operation	$53,992.84	
Interest at 4% per annum on the monthly balances to the credit of the account	5,973.20	
		59,966.04
		$209,296.38
Deduct:		
Expenditures to cover contingencies met with during the year ending October 31, 1925	$18,014.79	
Balance carried forward October 31, 1925		$191,281.59

APPROPRIATIONS, ADVANCES AND CAPITAL EXPENDITURES

For the year ended October 31, 1925

Appropriations made by the Legislature for the purposes of the Commission, Cash Advances by the Province to the Commission on account of such appropriations, and Summaries of Capital Expenditures made by the Commission out of such cash advances in the Year Ending October 31, 1925

NIAGARA SYSTEM

DEVELOPMENTS (QUEENSTON-CHIPPAWA):

Appropriations by Legislature		$8,000,000.00	
Cash advances to the Commission out of such appropriations		$2,631,500.00	
Unexpended portion thereof returnable to the Province		154,430.00	
			$2,477,070.00
Capital expenditure by the Commission:			
On generating station and equipment (Units 1 to 5)		$12,555.88	
On power house substructure, hydraulic machinery, penstocks, valves, turbines, intake works, river improvements and head works (Units 1 to 8)		378,656.66	
On generating station and equipment (Units 6, 7 and 8)		192,653.20	
On generating station and equipment (Unit 9)		311,670.12	
On power house substructure, hydraulic machinery, penstocks, valves, turbine, intake works, river improvements and head-works (Unit 9)		928,476.28	
On auxiliary plant operations		400,250.26	
On miscellaneous items chargeable direct to the works		79,491.05	
		$2,303,753.45	
Less—Amount charged to above construction work in respect of material, spare parts and supplies purchased and paid for prior to October 31, 1924	$81,607.80		
Amount realized from sale of construction plant and equipment	273,264.50		
Plant and equipment transferred to Niagara and other systems and capitalized thereon	35,691.64		
Amount realized from sale of farm buildings and sundry lots	1,906.18		
		392,470.12	
		$1,911,283.33	
Engineering and superintendence		287,621.44	
Overhead expenses, including administrative, executive and accounting salaries and expenses, insurance and fire protection		183,046.37	
Interest during construction (Units 8 and 9)		89,943.37	
Engineering expenses securing information and preparation of data for defence of suit B. F. Groat vs. Hydro-Electric Power Commission re alleged infringement of intake patents		1,716.10	
Engineering investigations in respect of a second development		3,459.39	
			$2,477,070.00

TRANSFORMER STATIONS, TRANSMISSION LINES, RURAL AND MISCELLANEOUS:			
Appropriations by Legislature		$6,200,000.00	
Cash advances to the Commission out of such appropriations		$2,947,000.00	
Unexpended portion thereof returnable to the Province		101,289.09	
			$2,845,710.91
Capital expenditures by the Commission:			
On right-of-way		$46,901.90	
On steel-tower lines		891,954.12	
On wood-pole lines		86,075.34	
On transformer stations		1,605,292.67	
On generating plant of Ontario Power Company		5,199.20	
On generating plant of Electrical Development Company		2,592.51	
On rural power districts		205,638.20	
On extensions to existing rural lines		413.73	
On local distributing systems		1,643.24	
Total			$2,845,710.91

GEORGIAN BAY SYSTEM

Combining systems formerly known as Severn, Eugenia, Wasdells and Muskoka

Appropriations by Legislature	$1,230,000.00		
Treasury Board minute	89,000.00		
		$1,319,000.00	
Cash advances to the Commission out of such appropriations		$362,260.00	
Unexpended portion thereof returnable to the Province		64,042.52	
			$298,217.48
Capital expenditure by the Commission:			
On power developments		$275,472.63	
On transmission lines		22,187.17	
On rural power districts		13,232.00	
On extensions to existing rural lines		47.87	
		$310,939.67	
Less—Transformer stations:			
Receipts in excess of expenditures		12,722.19	
Total			$298,217.48

ST. LAWRENCE SYSTEM

Appropriations by Legislature		$1,720,000.00	
Cash advances to the Commission out of such appropriations		$158,536.00	
Unexpended portion thereof returnable to the Province		27,977.56	
			$130,558.44
Capital expenditures by the Commission:			
On power development		$137,684.92	
On rural power districts		2,229.47	
		$139,914.39	
Less—Transformer stations:			
Receipts in excess of expenditures	$4,176.25		
—Transmission lines:			
Receipts in excess of expenditures	5,179.70		
		9,355.95	
Total			$130,558.44

RIDEAU SYSTEM

Appropriations by Legislature	$100,000.00	
Cash advances to the Commission out of such appropriations	$30,000.00	
Unexpended portion thereof returnable to the Province	5,911 20	
		$24,088.80
Capital expenditures by the Commission:		
On power development	$24,455.93	
Less—Transformer stations:		
Receipts in excess of expenditures	367.13	
Total		$24,088.80

THUNDER BAY SYSTEM

Appropriations by Legislature	$3,350,000.00	
Cash advances to the Commission out of such appropriations	$2,530,818.33	
Unexpended portion thereof returnable to the Province	126,712.30	
		$2,404,106.03
Capital expenditures by the Commission:		
On power development	$2,120,513.92	
On transmission lines	16,738.42	
On transformer stations	266,853.69	
Total		$2,404,106.03

OTTAWA SYSTEM

Appropriations by Legislature	$780,000.00	
Cash advances to the Commission out of such appropriations	$48,100.00	
Unexpended portion thereof returnable to the Province	7,651.57	
		$40,448.43
Capital expenditures by the Commission:		
On power development	$41,380.93	
On transformer stations	59.19	
	$41,440.12	
Less—Rural power districts:		
Receipts in excess of expenditures	991.69	
Total		$40,448.43

CENTRAL ONTARIO AND NIPISSING SYSTEMS

Appropriations by Legislature, Central Ontario system	$1,400,000.00		
Appropriations by Legislature, Nipissing system	180,000.00		
		$1,580,000.00	
Cash advances to Commission out of such appropriations		$562,500.00	
Unexpended portion thereof returnable to the Province		70,532.12	
			$491,967.88
Capital expenditures by the Commission:			
On power development—Central Ontario system		$288,801.93	
On transmission lines—Central Ontario system		36,531.00	
On transformer stations—Central Ontario system		11,628.89	
On service buildings—Central Ontario system		16,899.09	
On local utilities—Central Ontario system		111,376.20	
On rural power districts—Central Ontario system		7,667.83	
On power development—Nipissing system	$27,153.33		
On transmission lines—Nipissing system	4,003.35		
On transformer stations—Nipissing system	7,917.18		
On local utilities—Nipissing system	10,365.26		
	$49,439.12		
Less—Old pipe line, etc., replaced at Nipissing generating plant	30,376.18		
		19,062.94	
Total			$491,967.88

MISCELLANEOUS

Appropriations by Legislature		$550,000.00	
Cash advances to Commission out of such appropriations		$11,000.00	
Unexpended portion thereof returnable to the Province		6,122.40	
			$4,877.60
Capital expenditures by the Commission:			
On office buildings and equipment		$5,669.52	
Less—Service buildings and equipment:			
Receipts in excess of expenditures		791.92	
Total			$4,877.60

EXPENDITURES ON ACCOUNT OF THE PROVINCE

Appropriations by Legislature	$180,000.00		
Treasury Board minute	16,000.00		
		$196,000.00	
Cash advances to Commission out of such appropriations		$126,000.00	
Unexpended portion thereof returnable to the Province		74,285.92	
			$51,714.08

Expenditures on account of the Province in the fiscal year ending October 31, 1925:

POWER INVESTIGATIONS, SURVEYS, ETC.

Engineering assistance to non-operating municipalities and districts; gathering data for statistical purposes and estimates for the supply of power; also rate investigations		$948.24	
General hydrographic surveys, storage surveys, reports and investigations on power sites and stream flow, and special hydrographic investigations and report		8,091.71	
Estimates, surveys and demonstrations in rural districts		7,919.96	

ELECTRICAL INSPECTION

Salaries and expenses of inspectors; expenses of local offices; inspection of electrical appliances, material, etc., and administration	$242,683.74		
Less—Revenue from inspection fees	207,929.57		
		34,754.17	
Total			$51,714.08

HYDRO-ELECTRIC RAILWAYS

Essex District

Proceeds from sale of $141,205.00 par value of bonds issued for the purposes of the Railway		$141,205.00	
Expended out of other funds belonging to the Railway		99,145.39	
			$240,350.39
Capital expenditures by the Commission			240,350.39

Guelph District

Receipts in excess of expenditures	$172.71

Toronto and York District

1924 borrowings from the Bank of Montreal employed as working capital as at October 31, 1924		$312,152.04	
Less—Portion of above funds still employed as working capital as at October 31, 1925		273,706.51	
			$38,445.53
Capital expenditures by the Commission			38,445.53

Port Credit to St. Catharines Line

Cash in the hands of the Commission on October 31, 1924, being the unexpended balance of borrowings, $500,000		$134,111.72	
Less—Cash in the hands of the Commission, belonging to the railways on October 31, 1925		111,604.56	
			$22,507.16
Capital expenditures by the Commission			22,507.16

Toronto to Port Credit Line

Expended out of the general funds of the Commission	$44,489.10

RURAL POWER DISTRICTS

Statement showing the Total Capital Expenditures to October 31, 1925, on the Construction of Primary and Secondary Lines in Rural Power Districts; the Capital Expenditures on Portions Thereof in Course of Construction; the Investment in Lines in Operation, divided as between primary and secondary; the Amounts of the Grants (fifty per cent of both primary and secondary lines) Payable to the Commission by the Province of Ontario; also the Extent to which Grants Stand Authorized by Orders-in-Council under the Rural Hydro-Electric Distribution Act, and the Amounts of such Grants Paid Over by the Province to the Commission under such Authorizations up to October 31, 1925

System	Capital expenditures		Investment in lines in operation		Grants payable by the Province (50% of primary and secondary lines)	Extent to which grants stand authorized by orders-in-council	Grants paid by Province to Commission under such authorizations
	Total	For work in course of construction	Primary lines	Secondary lines			
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Niagara system	2,326,947.07	89,945.63	1,384,550.59	852,450.85	1,116,382.86	1,393,090.09	1,131,107.01
Georgian Bay system	108,904.22	.....	69,884.08	39,020.14	43,514.61	55,339.58	46,723.51
St. Lawrence system	59,387.85	1,443.56	45,106.61	12,837.68	28,972.14	33,567.22	28,446.72
Ottawa system	52,782.64	.....	40,176.83	12,605.81	26,391.32	26,125.76	26,125.76
	2,548,021.78	91,389.19	1,539,718.11	916,914.48	1,215,260.93	1,508,122.65	1,232,403.00
Central Ontario system	110,493.60	.....	70,096.45	40,397.15	55,246.80	68,903.25	60,998.33
Totals	2,658,515.38	91,389.19	1,609,814.56	957,311.63	1,270,507.73	1,577,025.90	1,293,401.33

NOTE.—The cash paid over by the Province to the Commission up to October 31, 1925, on account of authorized grants to rural power districts—as above set out—amounts to $1,293,401.33

The grants payable by the Province—as above set out—in respect of rural power districts in operation as at October 31st, 1925, amount in the aggregate to 1,270,507.73

A balance of $22,893.60

Which balance represents:—

(a) Grant funds in the hands of the Commission at October 31, 1925, to apply against certain rural power districts in course of construction, extension to existing districts, and the transfer of certain existing "rural lines" to "rural power districts" $93,274.31

Less:—

(b) Grants (or balances thereof) payable by the Province to the Commission in respect of certain rural power districts completed and in operation 70,380.71

22,893.60

SECTION X

MUNICIPAL ACCOUNTS

The Municipal Accounts section of this report presents the results of the operation of the various Hydro systems from a municipal standpoint collectively and individually. Statements prepared from figures extracted from the books of all Hydro municipalities are submitted herein to show how each has operated during the past year; also the financial status at the present time; as well as much useful statistical information, all so arranged as to permit of comparisons being made between various systems and between different municipalities in each system.

The books of account in all municipalities which have contracted with the Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with the provisions set forth in the publication "Uniform Accounting for Municipal Electric Utilities," issued by the Commission. The Commission, by a system of periodical inspections and reports, keeps in close touch with the operating conditions of each local system.

During the year 1925, the uniform accounting system was installed in the following municipalities as each became ready for the service: Campbellville, Cayuga, East York Township and Nipigon Village.

Periodical inspections were made of the books of all Hydro municipalities, and local officials have been assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities, much of the bookkeeping is performed by representatives of the Municipal Audit department, in order to insure the employment of proper classifications of revenue and expenditures, to save time in preparation of reports, to insure compliance with all the requirements of the standard accounting system, and to make certain that the accounts represent as truly as possible the actual operating results for the year.

The first financial statement in this preface presents consolidated operating reports for each year since Hydro was inaugurated and combines the results of all the systems. Study of this statement will show that the revenue has been increasing to a most satisfactory degree. The combined annual surpluses, after providing all possible cost of operation, including an adequate depreciation charge, amounted in 1925 to $1,080,277.76.

The second statement presents consolidated balance sheets for each year since 1912, and also shows clearly the march of progress. It is worth noting that the total plant value has increased from $10,081,469.16 in 1913 to $56,904,902.27 in 1925, and the total assets from $11,907,826.86 to $77,721,093.93. The liabilities have not increased in the same proportion as the assets, rising from $10,468,-351.79 to $42,360,355.58. The reason for this is that much of the cost of the increasing plant value has been financed out of surplus and reserve accounts without increasing the liabilities of the various systems. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net debt to total assets; being from 88.0 per cent in 1913 to 57.2 per cent in 1925. The equity in the Hydro-Electric Power Commission system automatically acquired through

the inclusion of sinking fund as part of the cost of power is not taken into account in arriving at these percentages.

Up to the end of 1924 the consolidated balance sheet has shown a steady increase in liabilities each year, which was, of course, more than offset by the increase in assets. In 1925 the records indicate that while the total assets of the co-operating municipalities—exclusive of their equity in the Hydro-Electric Power Commission's systems—increased during the year by $2,836,476.50, there was, for the first time, an actual decrease in total liabilities of $704,695.98. This is due largely to the fact that practically all extensions to local plants were financed out of revenue or accumulated cash, and also to the constantly accelerating rate of debt reduction, due to the general use of serial debentures on which the proportion of the fixed annual charge, which is applicable to debt reduction, increases each year with a corresponding decrease in interest charge, although both of these items are charged to revenue.

The seven statements, "A" to "G," following the two consolidated reports show the results of operations and the financial status of each municipal system, and also give information respecting revenue, number of consumers and consumption; cost of power to municipalities; power and lighting rates charged to consumers, etc. Some of the figures are comparative for all the years of operation. In the statements "A," "B," and "C," the figures are arranged in groups under each system and alphabetically for the municipalities in each system; in statement "D," the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "E" to "G" all "Hydro" municipalities are arranged alphabetically.

Statement "A" shows balance sheets for each municipality with the plant value sub-divided into the general natural sub-divisions specified in the standard accounting system, and there are also shown the other items which make up the total assets. It is to be noted that among the assets there are items entitled "Equity in Hydro system." These items represent the amount of accumulated Sinking Fund paid by the various municipalities through the medium of "Power Cost" toward the ultimate retirement of the Hydro-Electric Power Commission's construction debt. The total accumulation to the end of 1925 is shown on the Consolidated balance sheet to be $7,551,558.70.

In each case the balance sheet is complete and final, including either in "Accounts receivable," or "Accounts payable" the adjustments with the Hydro-Electric Power Commission of the differences between the estimated and the actual costs of power to the municipality.

The actual liabilities of each local system are set out under their general sub-divisions,—debenture balance, accounts payable, bank overdraft, and other liabilities, this last account including local debentures issued by municipalities to finance ornamental street-lighting systems as local improvements.

The reserves for depreciation, and the acquired equity in the Hydro-Electric Power Commission system, are also listed separately and totalled; and under the heading "Surplus" are included not only the free operating profit but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue, which properly belong under this heading.

The "Depreciation reserve" now amounts to 18.5 per cent of the total depreciable plant, while the "Depreciation reserve" and "Surplus" combined have already reached the sum of $26,652,002.45, approximating forty-six per cent of the total plant cost.

Statement "B" is a consolidated condensed operating report, showing the essential figures of each municipal system's operation in such a manner as to facilitate a ready comparison of the various results. The population served by each system, as well as the number of customers and the load taken in December, 1925, are also shown in order to give an idea of the relative sizes of the respective utilities.

Of the 243 municipalities included in this report, a total of twenty-six failed to meet their actual cost of operation without regard to depreciation. A total of forty-two, including the above, failed to provide full theoretical depreciation in addition to all operating and maintenance expenses, but their relative unimportance is clearly disclosed by an examination of the reports. These forty-two municipalities indicate a total theoretical loss of $91,743.97, while the remaining 201 municipalities piled up a surplus of $1,172,021.73, thus leaving a net surplus for all Hydro municipalities of $1,080,277.76 during the year.

Statement "C" shows detailed operating reports for each utility. The cost of power includes the adjustment made by this Commission and hence covers the actual cost and not the cost at the interim billed rates.

Statement "D," in many respects, is the most interesting report in the series. It gives more information respecting the actual results of operation from the viewpoint of the consumer than is obtainable from the published reports of any other system of electric utilities regardless of where operated or whether publicly or privately owned.

This statement "D" shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial service in each municipality since "Hydro" service was first installed. For comparative purposes the rates in effect prior to the installation of "Hydro" service are also indicated. The average flat-rate cost of horsepower as billed to power customers since 1917 is also shown.

In many municipalities the average monthly bill has increased during the past few years. This is due to the steady increase in the use of better lighting, and the general installation of ranges, heaters and miscellaneous appliances. It is estimated that over 52,000 electric ranges are now in use and the number is increasing rapidly. In practically all municipalities the cost per kilowatt-hour has been steadily declining, due to the constantly increasing use of electric appliances, the adoption of a maximum follow-up rate of two cents per kilowatt-hour for domestic and farm service throughout the province, and the consequently large number of kilowatt-hours consumed at the lower rate. Consult also the special introduction to statement "D" on page 336.

Statement "E" shows the installation of street lights in each municipality together with the rates set by this Commission, the revenue for 1925 and the cost per capita in each municipality.

Statement "F" and **Statement "G"** present the local rates in use by each utility, and also those charged by the Commission on the interim power bills.

A study of the various reports will clearly show that Hydro business in general, and that of Hydro municipalities in particular, are in a most satisfactory financial condition. There is no criticism of the working out of the economic policies of the Hydro-Electric Power Commission of Ontario which cannot intelligently and satisfactorily be met with direct appeal to the official figures in the balance sheets and operating reports herein presented.

Municipalities Out of Debt

The automatic reduction in the debenture debt, due to the annual principal or sinking fund payments being provided for out of revenue, and the remarkable accumulation of assets reflect the satisfactory financial condition of the Hydro utilities generally. The tabular statements which follow show in condensed form the relation of assets to liabilities in seventy-one municipalities. In the first forty municipalities the quick assets such as cash, bonds, accounts receivable and inventories exceed in value the total liabilities, including the debenture balance, and they may fairly be considered as being out of debt. In the remaining thirty-one municipalities, the excess of liabilities over the quick assets is relatively so small that a number of them will be transferred to the "out-of-debt" list when the books are closed at the end of 1926.

MUNICIPALITIES OUT OF DEBT

Municipality	Total assets	Total liabilities	Total quick assets	Net balance liabilities over quick assets	Excess of quick assets over all liabilities
	$ c.	$ c.	$ c.	$ c.	$ c.
Ailsa Craig	22,556.59	4,221.53	4,510.14		288.61
Beachville	38,765.02	3,818.02	10,448.66		6,630.64
Bothwell	29,448.68	4,666.38	13,880.91		9,214.53
Brigden	16,980.43	2,718.56	2,889.79		171.23
Brockville	467,283.89	162,123.74	200,659.40		38,535.66
Chesterville	34,514.86	5,322.86	10,854.98		5,532.12
Coldwater	24,605.94	6,596.90	8,570.71		1,973.81
Collingwood	212,735.85	32,779.94	49,573.19		16,793.25
Creemore	25,135.72	4,772.71	9,515.73		4,743.02
Delaware	7,862.94	3,260.02	3,591.98		331.96
Dresden	43,860.19	8,449.22	9,326.47		877 25
Dundalk	21,866.15	3,155.41	7,453.23		4,297.82
Durham	57,107.42	16,991.19	17,660.11		668.92
Dutton	26,051.97	7,000.20	8,017.72		1,017.52
Georgetown	100,115.77	18,342.37	26,011.74		7,669.37
Guelph	674,630.89	101,727.74	139,089.12		37,361.38
Lucan	31,816.79	7,911.90	8,755.24		843.34
Mitchell	88,574.09	5,027.01	11,843.28		6,816.27
Mt. Brydges	13,909.56	3,584.73	5,670.22		2,085.49
Otterville	14,705.99	2,954.67	4,105.31		1,150.64
Owen Sound	399,725.47	101,430.31	101,609.22		178.91
Picton	107,023.86	3,901.74	47,568.31		43,666.57
Port Arthur	1,577,307.11	499,804.29	608,369.69		108,565.40
Prescott	100,523.20	14,316.90	19,646.17		5,329.27
Ridgetown	71,263.63	12,051.48	22,286.30		10,234.82
Rockwood	14,356.24		1,262.74		1,262.74
St. George	19,866.86	5,204.42	9,537.54		4,333.12
St. Thomas	562,172.27	74,443.03	96,933.75		22,490.72
Seaforth	99,269.25	25,020.50	26,317.64		1,297.14
Tavistock	35,372.26	5,158.96	8,632.52		3,473.56
Thamesford	21,323.59	3,369.07	6,978.30		3,609.21
Thamesville	34,801.86	8,003.71	12,472.26		4,468.55
Thorold	96,479.86	9,909.54	13,354.76		3,445.22
Tilbury	50,596.69	10,729.84	18,040.88		7,311.04
Tillsonburg	129,823.33	23,030.70	33,109.42		10,078.72
Waterdown	36,020.57	3,206.70	10,784.29		7,577.59
Waterford	36,776.54	818.11	6,296.26		5,478.15
Watford	31,999.46	6,349.06	7,303.58		954.52
Winchester	33,290.85	9,457.46	12,803.35		3,345.89
Woodville	16,996.89	4,432.72	4,703.53		270.81

MUNICIPALITIES NEARLY OUT OF DEBT

Municipality	Total assets	Total liabilities	Total quick assets	Net balance liabilities over quick assets	Excess of quick assets over all liabilities
	$ c.	$ c.	$ c.	$ c.	$ c.
Acton	56,123.39	4,809.49	2,911.93	1,897.56	
Beaverton	49,752.25	11,764.96	9,913.83	1,851.13	
Burgessville	7,850.02	2,550.19	1,885.38	664.81	
Dorchester	15,173.67	3,486.03	3,027.48	458.55	
Elmvale	25,105.49	6,640.24	6,050.11	590.13	
Exeter	53,378.33	14,830.13	12,880.33	2,949.80	
Forest	65,580.55	20,473.63	13,443.80	7,029.83	
Grand Valley	23,990.83	8,104.18	6,643.83	1,460.35	
Harrow	28,272.90	12,724.65	9,368.33	3,356.32	
Hensall	25,981.17	11,266.09	8,269.13	2,996.96	
Highgate	14,698.66	4,173.19	4,095.66	77.53	
Huntsville	58,345.51	14,603.52	14,031.90	571.62	
Ingersoll	265,480.79	93,870.26	72,875.25	20,995.01	
Lambeth	12,367.68	3,623.72	2,619.22	1,004.50	
Leamington	118,793.00	50,382.47	39,407.43	10,975.04	
Lynden	13,810.67	3,696.36	3,381.78	314.58	
Merritton	50,286.23	6,584.71	3,546.19	3,038.52	
New Hamburg	60,718.97	13,347.45	9,035.49	3,311.96	
Norwich	53,495.47	11,959.11	10,607.61	1,351.50	
Palmerston	52,930.99	10,125.13	8,086.47	2,038.66	
Paris	188,380.31	42,176.78	34,007.98	8,168.80	
Penetanguishene	126,235.91	31,891.04	25,653.40	6,237.64	
Petrolia	125,967.07	39,092.86	24,221.00	14,871.86	
Rodney	24,431.64	7,179.20	7,126.47	52.83	
Stayner	36,500.82	9,615.54	9,320.77	294.77	
Uxbridge	31,876.95	16,268.47	12,022.33	4,246.14	
Victoria Harbour	16,150.83	4,445.37	2,964.62	1,480.65	
Waubaushene	9,380.64	2,633.69	2,380.04	253.65	
Woodbridge	32,590.68	8,048.63	7,846.76	201.87	
Woodstock	427,269.28	86,759.85	47,147.83	39,612.02	
Zurich	17,798.15	5,681.89	4,595.40	1,086.49	

CONSOLIDATED

Year	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
Earnings	$ c.	$ c.	$ c.	$ c.
Domestic service		572,154.38	789,130.81	944,271.08
Commercial light		525,438.16	673,803.92	720,209.26
Commercial power		905,378.17	1,214,829.31	1,501,797.78
Municipal power				
Street lighting		560,925.56	698,409.71	835,970.87
Rural service				
Miscellaneous		53,543.24	57,482.41	68,046.29
Total earnings	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
Expenses				
Power purchased		789,632.87	1,045,752.65	1,485,614.72
Substation operation		78,394.81	97,658.90	107,607.31
Substation maintenance		18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance		104,114.51	130,998.65	154,409.71
Line transformer maintenance		8,547.61	11,764.32	11,508.92
Meter maintenance		5,222.19	9,536.07	12,899.14
Consumers' premises expenses		53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance		84,903.76	113,047.80	136,983.38
Promotion of business		72,303.51	86,683.02	74,402.55
Billing and collecting		77,351.76	103,560.71	131,541.27
General office, salaries and expenses		154,932.69	230,899.75	236,777.86
Undistributed expense		65,423.64	89,350.91	129,209.15
Interest		528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures		*	*	*
Total expenses	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation charge	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation	115,513.53	313,580.87	397,444.51	284,374.29

*Debenture payments included in "Interest."

OPERATING REPORT

1916	1917	1918	1919	1920	1921
128	143	166	181	186	205
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,172,878.96	1,417,460.31	1,632,272.12	1,991,632.31	2,546,345.30	3,149,080.03
812,130.78	899,023.72	968,399.42	1,175,143.56	1,512,854.63	1,851,501.76
1,921,152.31	2,665,280.65	3,417,248.37	3,443,107.13	3,752,188.22	3,895,437.46
.....	.....	.....	.....	532,279.09	654,531.01
930,057.48	967,495.10	902,875.55	988,900.95	1,005,535.11	1,060,357.77
.....	.....	.....	.....	168,919.95	145,566.57
147,381.50	120,805.39	161,243.70	228,270.65	189,778.63	225,467.70
4,983,601.03	6,070,065.17	7,082,039.16	7,827,054.60	9,707,900.93	10,981,942.30
1,959,446.83	2,563,880.17	2,807,769.33	3,284,490.68	4,216,667.87	4,876,650.31
153,761.08	203,091.20	238,257.34	217,638.89	285,407.35	314,838.35
46,131.53	42,129.04	60,805.92	81,853.63	102,050.81	104,798.01
154,247.17	169,326.24	223,347.81	286,310.76	344,551.57	487,918.33
14,528.17	25,328.95	30,488.83	42,509.12	46,323.09	65,088.46
24,218.48	44,461.55	63,155.56	78,726.64	123,701.18	116,722.97
52,602.01	61,765.14	65,149.59	84,301.24	116,283.52	134,854.92
145,471.50	157,857.73	196,157.18	215,963.86	236,930.79	297,481.52
79,324.85	73,516.37	64,962.78	77,789.22	78,294.85	101,804.46
154,508.58	188,083.84	208,660.76	236,504.75	295,942.88	321,685.71
306,709.35	349,932.05	421,680.15	452,131.22	559,695.29	656,268.11
97,333.97	102,938.80	117,474.07	190,690.09	256,400.33	308,874.42
951,781.99	1,085,180.80	1,238,425.53	1,285,571.51	1,431,807.16	998,611.47
*	*	*	*	*	532,183.96
4,140,065.51	5,077,491.08	5,736,334.85	6,531,481.61	8,094,056.69	9,317,781.00
843,535.52	992,574.09	1,345,704.31	1,295,572.99	1,613,844.24	1,664,161.30
486,141.80	607,296.29	718,162.30	814,219.37	902,028.75	1,044,434.85
357,393.72	385,367.80	627,542.01	481,353.62	711,815.49	619,726.45

*Debenture payments included in "Interest."

CONSOLIDATED OPERATING REPORT—Concluded

Year	1922	1923	1924	1925
Number of municipalities included	214	224	241	243
Earnings	$ c.	$ c.	$ c.	$ c.
Domestic service	3,786,608.23	5,166,452.24	5,993,231.07	6,723,539.06
Commercial light	2,158,306.34	3,260,772.50	3,566,227.22	3,901,219.58
Commercial power	4,383,912.97	5,927,666.37	6,222,865.88	6,658,973.90
Municipal power	973,263.38	1,161,598.60	1,352,966.47	1,367,596.20
Street lighting	1,160,446.81	1,269,604.48	1,356,668.97	1,441,769.50
Rural service	105,877.09	116,639.06	75,100.24	37,975.18
Miscellaneous	187,689.39	316,311.21	231,663.58	288,041.08
Total earnings	12,756,104.21	17,219,044.46	18,798,723.43	20,419,114.50
Expenses				
Power purchased	6,636,853.37	8,699,026.67	9,669,789.40	10,661,300.64
Substation operation	315,443.70	474,442.13	430,056.09	417,921.71
Substation maintenance	100,763.67	133,815.53	202,050.04	222,097.08
Distribution system, operation and maintenance	519,252.16	636,477.41	648,700.62	695,831.87
Line transformer maintenance	52,932.26	75,920.10	82,936.50	80,708.63
Meter maintenance	107,806.88	139,104.81	141,231.23	161,575.86
Consumers' premises expenses	143,388.88	218,682.02	237,316.20	277,129.13
Street lighting, operation and maintenance	297,363.86	299,579.08	269,973.30	278,423.22
Promotion of business	129,932.63	184,371.00	202,060.74	225,220.60
Billing and collecting	338,153.50	444,306.92	490,273.30	552,120.50
General office, salaries and expenses	605,852.50	937,463.47	889,907.66	925,844.34
Undistributed expense	385,895.03	359,206.91	494,078.50	515,260.83
Interest	1,074,657.44	1,615,205.16	1,779,991.26	1,996,205.24
Sinking fund and principal payments on debentures	635,469.90	990,907.14	1,122,798.87	1,249,326.67
Total expenses	11,343,765.78	15,208,508.35	16,661,163.71	18,258,966.32
Surplus	1,412,338.43	2,010,536.11	2,137,559.72	2,160,148.18
Depreciation charge	715,814.24	916,782.75	973,649.62	1,079,870.42
Surplus loss depreciation	696,524.19	1,093,753.36	1,163,910.10	1,080,277.76

CONSOLIDATED BALANCE SHEET

Year	1913	1914	1915
Number of municipalities included	45	69	99
Assets	$ c.	$ c.	$ c.
Lands and buildings	626,707.34	791,732.20	873,838.18
Substation equipment	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground	644,514.24	807,153.53	928,420.77
Line transformers	615,546.20	787,613.52	981,754.70
Meters	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant	1,401,175.28	420,108.33	461,651.60
Old plant	341,277.00	619,513.12	1,184,372.86
Total plant	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance	450,887.97	422,350.12	284,653.96
Securities and investments	.....	.....	.....
Accounts receivable	344,487.95	561,873.08	602,920.69
Inventories	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures	431,747.27	625,217.03	868,983.78
Equity in Hydro systems	.....	.....	.....
Other assets	58,959.93	123,410.97	326,801.11
Total assets	11,907,826.86	15,249,203.36	17,683,264.07
Liabilities			
Debenture balance	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft	160,919.16	228,622.50	292,106.44
Other liabilities	42,412.81	113,838.66	37,388.31
Total liabilities	10,468,351.79	12,702,689.81	14,201,343.79
Reserves			
For equity in H.E.P.C. system	.....	.....	.....
For depreciation	478,145.88	850,618.07	1,337,739.73
Other reserves	.....	.....	.....
Total reserves	478,145.88	850,618.07	1,337,739.73
Surplus			
Debentures paid	202,751.26	320,129.10	394,466.22
Local sinking fund	431,747.27	625,217.03	868,983.78
Additional operating surplus	326,830.66	750,549.35	880,730.55
Total surplus	961,329.19	1,695,895.48	2,144,180.55
Total liabilities reserves and surplus	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets	88	83.3	80.3

Note.—Equity in Hydro system is not included in assets for purposes of arriving at percentage of net debt to total assets.

CONSOLIDATED

Year	1916	1917	1918	1919
Number of municipalities included	128	143	166	191
Assets	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83
Substation equipment	1,934,626.12	2,471,293.82	2,820,448.70	2,915,125.56
Distribution system—overhead	4,832,353.27	6,080,073.42	6,627,237.39	7,445,820.31
Distribution system—underground	1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88
Line transformers	1,179,132.07	1,483,839.44	1,772,691.35	2,073,113.45
Meters	1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32
Street lighting equipment—regular	1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71
Street lighting equipment—ornamental	306,388.95	361,975.74	531,502.61	546,497.68
Miscellaneous construction expenses	2,059,263.42	2,184,015.84	2,395,096.50	2,430,101.08
Steam or hydraulic plant	864,500.01	896,753.20	214,575.75	986,200.57
Old plant	759,748.66	649,852.51	1,476,413.00	805,959.89
Total plant	17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28
Bank and cash balance	1,061,029.90	340,026.50	391,194.91	462,437.23
Securities and investments	.....	.....	.....	627,076.53
Accounts receivable	695,152.23	1,285,097.33	1,124,018.44	1,921,166.69
Inventories	764,504.59	1,261,398.36	972,996.96	1,032,569.75
Sinking fund on local debentures	1,166,017.73	1,337,578.96	1,663,298.05	1,925,455.77
Equity in Hydro system	.....	.....	.....	369,071.89
Other assets	342,215.87	125,240.05	444,787.63	86,216.05
Total assets	21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19
Liabilities				
Debenture balance	15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44
Accounts payable	969,187.75	1,537,669.11	1,007,727.79	1,420,926.66
Bank overdraft	178,413.26	886,177.94	576,816.49	403,235.57
Other liabilities	491,874.90	429,104.20	350,013.21	670,271.90
Total liabilities	16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57
Reserves				
For equity in H.E.P.C. system	.....	.....	.....	373,871.89
For depreciation	1,843,804.68	2,463,723.83	3,133,550.17	3,750,162.28
Other reserves	.....	.....	.....	.....
Total reserves	1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17
Surplus				
Debentures paid	549,778.59	694,797.90	920,076.56	1,328,657.68
Local sinking fund	1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37
Additional operating surplus	1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40
Total surplus	2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45
Total liabilities, reserves and surplus	21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19
Percentage of net debt to total assets	78.4	75.5	71.0	67.9

Note.—Equity in Hydro system is not included in assets for purposes of arriving at percentage of net debt to total assets.

BALANCE SHEET—Concluded

1920	1921	1922	1923	1924	1925
195	215	226	235	248	247
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,175,568.24	3,230,985.63	3,334,522.68	4,488,054.93	4,561,648.92	5,768,855.99
3,231,050.80	5,403,689.90	5,046,857.98	6,015,919.75	6,800,238.00	8,543,166.55
8,579,881.49	8,397,361.48	11,165,330.24	13,135,581.76	14,182,190.33	16,837,535.57
1,313,369.29	1,401,135.97	1,598,053.02	1,959,120.41	2,873,446.13	3,388,837.09
2,560,581.59	3,077,649.83	3,618,684.73	4,211,655.89	4,456,669.02	5,079,754.23
3,053,135.20	3,552,076.79	4,033,689.52	4,548,933.73	5,149,629.71	5,533,483.92
1,269,006.98	1,335,997.13	1,419,016.05	1,061,473.85	1,134,491.77	1,256,916.53
557,678.13	610,586.70	666,084.50	708,431.22	728,298.08	893,186.48
2,697,636.12	3,030,134.16	3,261,495.74	3,681,274.88	4,168,262.21	4,485,110.96
757,194.47	704,848.46	565,158.54	566,619.86	4,196,803.45	568,912.49
864,298.39	912,388.55	7,997,947.87	8,051,496.28	5,587,420.31	4,549,142.46
27,059,400.70	31,656,854.60	42,706,840.87	48,428,562.56	53,839,097.93	56,904,902.27
943,858.12	900,842.34	1,164,336.24	1,276,140.06	1,748,912.34	1,700,145.30
341,855.88	556,608.53	443,938.18	1,153,424.47	1,329,622.58	1,095,662.92
2,022,538.88	2,148,287.05	3,874,317.14	3,198,769.34	3,898,751.89	3,417,558.86
1,400,671.89	1,504,596.28	1,738,795.96	1,819,711.62	1,745,628.16	1,711,504.13
2,244,004.34	2,541,718.35	3,416,231.45	3,896,261.28	4,520,723.06	5,202,451.70
577,584.06	795,570.51	1,543,434.12	2,929,603.94	5,420,567.58	7,551,588.70
25,447.07	78,929.84	238,940.13	190,071.63	250,292.77	137,280.05
34,615,360.94	40,111,979.23	55,126,834.09	62,892,544.90	72,753,596.31	77,721,093.93
19,268,072.04	21,619,220.99	30,454,186.12	33,056,501.29	38,005,162.50	37,919,225.01
1,840,137.54	1,887,567.93	3,669,292.52	3,708,781.76	3,117,224.08	3,139,067.92
514,671.99	989,099.98	456,706.69	680,714.59	162,100.71	226,147.82
642,293.65	938,368.84	586,203.02	1,517,828.47	1,780,564.27	1,075,914.83
22,265,175.22	25,434,257.74	35,196,388.35	38,963,826.11	43,065,051.56	42,360,355.58
577,584.06	800,249.05	1,543,434.12	2,929,603.94	5,420,567.58	7,551,588.70
4,788,645.03	5,491,858.93	6,512,813.92	7,328,858.69	8,097,834.68	8,699,437.68
.....	.....	.....	.....	.....	1,157,147.20
5,366,299.09	6,292,107.98	8,056,248.04	10,258,462.63	13,518,402.26	17,408,173.58
1,440,157.52	1,860,079.53	3,104,591.15	2,852,038.38	3,530,610.35	4,440,138.34
2,246,474.47	2,541,718.35	3,416,231.45	3,896,261.28	4,520,723.06	5,202,451.70
3,297,325.64	3,983,815.63	5,353,375.10	6,921,956.50	8,118,809.08	8,309,974.73
6,983,956.63	8,385,613.51	11,874,197.70	13,670,256.16	16,170,142.49	17,952,564.77
34,615,360.94	40,111,979.23	55,126,834.09	62,892,544.90	72,753,596.31	77,721,093.93
65.4	64.7	63.3	62.6	61.4	57.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM

Municipality / Population	Acton 1,872	Agincourt P.V.	Ailsa Craig 526	Alvinston 624	Ancaster Twp. 5,316
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,545.45	.....	.....	133.56	.....
Substation equipment	1,847.39	.....	.....	.....	.....
Distribution system, overhead	13,750.79	6,480.08	7,676.29	13,747.91	19,910.87
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	7,895.20	1,636.45	2,528.03	3,627.05	6,123.88
Meters	6,569.81	1,429.98	1,925.49	3,031.81	7,201.24
Street lighting equipment, regular	1,151.35	642.05	404.09	1,090.62	938.75
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	2,187.26	.....	492.36	758.68	1,499.46
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	3,481.50	.....	.....	773.85	.....
Total plant	38,428.75	10,188.56	13,026.26	23,163.48	35,674.20
Bank and cash balance	1,351.08	767.60	3,064.85	1,909.63	2,797.77
Securities and investments	1,500.00	2,000.00	1,000.00	4,000.00	.....
Accounts receivable	133.79	211.27	445.29	1,605.15	1,768.18
Inventories	27.06	.....	.....	30.51	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in H.E.P.C. systems	11,903.96	465.06	5,020.19	2,471.51	2,685.12
Other assets	2,778.75	.....	.....	.....	1,398.40
Total assets	56,123.39	13,632.49	22,556.59	33,180.28	44,323.67
Deficit	.....	.....	.....	.....	.....
Total	56,123.39	13,632.49	22,556.59	33,180.28	44,323.67
LIABILITIES					
Debenture balance	4,388.38	7,107.32	3,138.67	20,476.12	15,500.07
Accounts payable	204.33	58.69	1,082.86	1,434.15	1,608.30
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	216.78	.....	.....	.....	1,398.40
Total liabilities	4,809.49	7,166.01	4,221.53	21,910.27	18,506.77
RESERVES					
For equity in H.E.P.C. systems	11,903.96	465.06	5,020.19	2,471.51	2,685.12
For depreciation	7,332.33	441.81	2,962.86	1,309.46	5,001.58
Other reserves	.....	.....	.....	.....	.....
Total reserves	19,236.29	906.87	7,983.05	3,780.97	7,686.70
SURPLUS					
Debentures paid	10,111.62	965.33	3,743.97	3,053.12	1,499.93
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	21,965.99	4,594.28	6,608.04	4,435.92	16,630.27
Total surplus	32,077.61	5,559.61	10,352.01	7,489.04	18,130.20
Total liabilities, reserves and surplus	56,123.39	13,632.49	22,556.59	33,180.28	44,323.67
Percentage of net debt to total assets	10.8	54.4	24.0	71.3	42.5

"A"

Hydro Municipalities as at December 31, 1925

Aylmer 2,198	Ayr 808	Baden P.V.	Barton Township 7,222	Beachville P.V.	Belle River 590	Blenheim 1,550	Blyth 618
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	125.00	660.64	.....	176.13	.....	.....	.....
.....	.....	.....	.....	.....	.....	909.64	.....
19,396.55	8,841.88	5,925.72	62,660.60	11,549.15	10,730.17	16,309.25	9,619.00
.....	.....	.....	.....	.....	.....	.....	.....
7,380.69	1,855.72	3,065.81	8,455.43	1,835.94	1,948.60	6,501.51	1,662.49
7,485.40	2,678.20	2,198.03	16,213.01	2,245.81	2,096.50	6,835.30	548.95
1,240.46	372.47	394.50	2,759.18	395.12	631.92	1,289.39	1,284.19
.....	.....	.....	.....	.....	.....	1,482.97	.....
1,141.86	809.79	.....	2,363.43	533.36	725.49	776.40	342.08
.....	.....	.....	.....	.....	.....	.....	.....
14,719.17	4,002.53	.....	.....	.....	.....	.....	2,332.68
51,364.13	18,685.59	12,244.70	92,451.65	16,735.51	16,132.68	34,104.46	15,789.39
793.56	426.67	1,386.41	11,328.30	1,337.09	2,640.24	944.38	1,742.51
12,000.00	1,000.00	.....	.....	8,000.00	.....	.....	3,000.00
2,395.90	1,602.19	684.46	4,357.97	1,054.93	2,070.55	3,883.02	2,065.36
.....	.....	8.71	42.07	56.64	.....	.....	.....
.....	.....	.....	1,679.09	.....	.....	.....	.....
6,080.42	3,018.04	8,723.53	4,060.87	11,580.85	973.77	7,846.45	792.81
.....	.....	.....	.....	.....	.....	.....	.....
72,634.01	24,732.49	23,047.81	113,919.95	38,765.02	21,817.24	46,778.31	23,390.07
.....	.....	.....	1,848.86	.....	.....	.....	.....
72,634.01	24,732.49	23,047.81	115,768.81	38,765.02	21,817.24	46,778.31	23,390.07
28,764.56	5,208.50	3,525.05	91,960.13	3,801.77	8,024.00	11,665.90	19,684.77
.....	.....	.....	763.90	.....	321.71	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
2,000.00	.....	2.00	30.00	16.25	.....	1,482.97	.....
30,764.56	5,208.50	3,527.05	92,754.03	3,818.02	8,345.71	13,148.87	19,684.77
6,080.42	3,018.04	8,723.53	4,060.87	11,580.85	973.77	7,846.45	792.81
3,474.08	3,874.21	343.20	5,812.29	2,917.05	857.00	6,381.18	262.00
.....	.....	.....	.....	.....	5,000.00	.....	.....
9,554.50	6,892.25	9,066.73	9,873.16	14,497.90	6,830.77	14,227.63	1,054.81
9,937.36	7,294.88	1,474.95	11,462.53	1,551.23	476.00	2,334.10	647.91
.....	.....	.....	1,679.09	.....	.....	.....	.....
22,377.59	5,336.86	8,979.08	.....	18,897.87	6,164.76	17,067.71	2,002.58
32,314.95	12,631 74	10,454.03	13,141.62	20,449.10	6,640.76	19,401.81	2,650.49
72,634.01	24,732.49	23,047.81	115,768.81	38,765.02	21,817.24	46,778.31	23,390.07
46.2	23.9	24.6	84.0	14.0	40.0	31.1	87.1

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Bolton	Bothwell	Brampton	Brantford	Brantford Twp.
Population	642	635	4,778	29,148	7,342
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	.....	3,854.06	67,758.47	.....
Substation equipment	.....	.....	19,491.83	115,064.93	1,192.71
Distribution system, overhead	8,647.97	4,329.52	44,055.80	197,266.45	39,006.87
Distribution system, underground	.....	.....	.....	6,000.00	.....
Line transformers	3,407.44	1,977.83	16,472.73	87,108.56	11,768.52
Meters	2,376.60	2,609.72	19,310.94	91,948.46	8,529.60
Street lighting equipment, regular	561.14	459.44	2,302.74	22,708.23	2,533.24
Street lighting equip., ornamental	.....	.....	.....	33,643.38	.....
Misc. construction expense	982.60	501.90	3,127.51	29,757.99	3,647.53
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	1,554.60	.....	15,000.00	.....	.....
Total plant	17,530.35	9,878.41	123,615.61	651,256.47	66,678.47
Bank and cash balance	903.76	4,839.78	3,481.22	8,693.54	3,043.75
Securities and investments	.....	7,000.00	20,519.92	.....	8,894.65
Accounts receivable	89.25	2,028.68	1,264.95	6,565.71	1,045.99
Inventories	.....	12.45	147.38	1,572.55	141.74
Sinking fund on local debentures	.....	.....	.....	101,838.24	1,190.77
Equity in H.E.P.C. systems	5,617.89	5,689.36	35,590.72	151,290.66	2,098.03
Other assets	.....	.....	.....	.....	.....
Total assets	24,141.25	29,448.68	184,619.80	921,217.17	83,093.40
Deficit	.....	.....	.....	.....	.....
Total	24,141.25	29,448.68	184,619.80	921,217.17	83,093.40
LIABILITIES					
Debenture balance	9,632.30	4,166.38	39,426.85	417,750.00	45,023.78
Accounts payable	46.12	.....	2.43	28,291.82	300.84
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	500.00	.....	37,500.00	1,124.00
Total liabilities	9,678.42	4,666.38	39,429.28	483,541.82	46,448.62
RESERVES					
For equity in H.E.P.C. systems	5,617.89	5,689.36	35,590.72	151,290.66	2,098.03
For depreciation	5,644.70	3,738.06	33,953.49	106,956.33	10,012.79
Other reserves	.....	.....	.....	.....	.....
Total reserves	11,262.59	9,427.42	69,544.21	258,246.99	12,110.82
SURPLUS					
Debentures paid	2,867.70	1,367.81	29,623.79	37,250.00	12,101.88
Local sinking fund	.....	.....	.....	101,838.24	1,190.77
Additional operating surplus	332.54	13,987.07	46,022.52	40,340.12	11,241.31
Total surplus	3,200.24	15,354.88	75,646.31	179,428.36	24,533.96
Total liabilities, reserves and surplus	24,141.25	29,448.68	184,619.80	921,217.17	83,093.40
Percentage of net debt to total assets	52.3	19.6	26.4	54.2	56.7

"A"—Continued

Hydro Municipalities as at December 31, 1925

Brigden P.V.	Brussels 905	Burford P.V.	Burgessville, P.V.	Caledonia 1,350	Campbellville, P.V.	Cayuga 773	Chatham 14,182
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
101.03	.....	202.00	.....	.....	.....	.....	39,996.37
.....	.....	.....	.....	.....	.....	.....	59,937.74
5,723.14	13,188.75	7,218.38	2,683.63	11,670.98	2,582.25	14,094.18	122,662.12
.....	.....	.....	.....	.....	.....	.....	.....
1,291.10	2,162.30	1,925.90	959.80	3,706.35	408.11	2,809.06	64,895.74
1,883.77	2,834.60	2,751.16	628.09	3,450.63	379.36	2,143.74	59,092.79
223.35	1,520.11	376.89	156.07	807.74	258.56	850.50	8,765.70
.....	.....	.....	.....	.....	.....	.....	26,907.19
858.11	1,527.56	644.50	453.00	587.31	6.82	186.16	26,832.56
.....	.....	.....	.....	.....	.....	.....	.....
1,381.00	2,827.50	.....	.....	.....	.....	.....	43,506.71
11,461.50	24,060.82	13,118.83	4,880.59	20,223.01	3,635.10	20,083.64	452,596.92
685.94	.....	2,105.61	1,727.94	429.10	1,752.41	244.54	12,701.74
.....	.....	1,000.00	.....	.....	.....	.....	.....
2,203.85	1,302.19	533.66	157.44	61.47	151.20	1,398.18	40,655.43
.....	.....	93.80	.....	.....	.....	.....	11,122.02
.....	.....	.....	.....	.....	.....	.....	.....
2,629.14	1,147.60	2,964.68	1,084.05	3,720.78	68.50	681.87	77,581.87
.....	.....	.....	.....	.....	.....	.....	.....
16,980.43	26,510.61	19,816.58	7,850.02	24,434.36	5,607.21	22,408.23	594,657.98
.....	.....	.....	.....	.....	.....	.....	.....
16,980.43	26,510.61	19,816.58	7,850.02	24,434.36	5,607.21	22,408.23	594,657.98
2,708.56	19,762.33	6,226.57	2,244.89	3,362.14	5,286.40	19,426.41	227,649.47
10.00	.....	.....	305.30	4,352.91	15.25	641.40	33,127.49
.....	360.86	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	27,278.16
2,718.56	20,123.19	6,226.57	2,550.19	7,715.05	5,301.65	20,067.81	288,055.12
2,629.14	1,147.60	2,964.68	1,084.05	3,720.78	68.50	681.87	77,581.87
1,772.17	394.00	2,606.43	1,210.40	1,105.11	73.00	398.00	64,955.11
.....	.....	.....	.....	.....	.....	.....	.....
4,401.31	1,541.60	5,571.11	2,294.45	4,825.89	141.50	1,079.87	142,536.98
5,291.44	1,237.67	2,773.43	1,255.11	1,261.86	161.37	573.59	42,350.53
.....	.....	.....	.....	.....	.....	.....	.....
4,569.12	3,608.15	5,245.47	1,750.27	10,631.56	2.69	686.96	121,715.35
9,860.56	4,845.82	8,018.90	3,005.38	11,893.42	164.06	1,260.55	164,065.88
16,980.43	26,510.61	19,816.58	7,850.02	24,434.36	5,607.21	22,408.23	594,657.98
18.7	79.3	36.9	37.6	37.2	94.5	92.3	53.2

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Chippawa	Clifford	Clinton	Comber P.V.	Courtright
Population	1,087	511	1,940		429
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings			6,318.49		
Substation equipment			7,544.43		
Distribution system, overhead	14,376.34	5,633.76	18,403.51	5,364.72	5,194.87
Distribution system, underground					
Line transformers	3,840.53	787.64	6,052.04	3,087.63	550.63
Meters	2,842.74	1,187.45	6,541.55	1,893.90	692.82
Street lighting equipment, regular	542.25	532.21	1,146.02	262.58	411.88
Street lighting equip., ornamental					
Misc. construction expense	895.30	37.44	3,690.50	957.54	558.67
Steam or hydraulic plant					
Old plant			10,658.09		
Total plant	22,497.16	8,178.50	60,354.63	11,566.37	7,408.87
Bank and cash balance	137.34	783.08	930.67	617.01	2,407.73
Securities and investments					
Accounts receivable	1,734.64	1,040.83	3,667.48	410.39	420.28
Inventories		3.11	2,715.21		
Sinking fund on local debentures			11,309.70		
Equity in H.E.P.C. systems	2,265.36	550.24	10,504.40	4,984.03	663.95
Other assets					
Total assets	26,634.50	10,555.76	89,482.09	17,577.80	10,900.83
Deficit					
Total	26,634.50	10,555.76	89,482.09	17,577.80	10,900.83
LIABILITIES					
Debenture balance	11,268.99	7,889.55	44,500.00	4,810.53	7,414.74
Accounts payable	602.73		972.49	618.56	251.69
Bank overdraft					
Other liabilities					
Total liabilities	11,871.72	7,889.55	45,472.49	5,429.09	7,666.43
RESERVES					
For equity in H.E.P.C. systems	2,265.36	550.24	10,504.40	4,984.03	663.95
For depreciation	2,435.66	161.00	12,345.38	2,348.52	276.00
Other reserves					
Total reserves	4,701.02	711.24	22,849.78	7,332.55	939.95
SURPLUS					
Debentures paid	2,081.01	110.45		2,889.47	723.61
Local sinking fund			11,309.70		
Additional operating surplus	7,980.75	1,844.52	9,850.12	1,926.69	1,570.84
Total surplus	10,061.76	1,954.97	21,159.82	4,816.16	2,294.45
Total liabilities, reserves and surplus	26,634.50	10,555.76	89,482.09	17,577.80	10,900.83
Percentage of net debt to total assets	48.7	78.8	50.4	43.1	74.9

"A"—Continued

Hydro Municipalities as at December 31, 1925

Dashwood P.V.	Delaware P.V.	Dorchester P.V.	Drayton 540	Dresden 1,433	Drumbo P.V.	Dublin P.V.	Dundas 5,119
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	.....	.....	.....	.....	8,827.34
.....	.....	.....	.....	523.00	.....	.....	13,396.22
1,869.62	2,458.39	5,295.81	7,653.57	11,784.09	3,229.15	4,218.62	36,761.34
.....	.....	.....	.....	.....	.....	.....	.....
953.68	216.75	3,005.75	1,960.66	5,122.27	1,249.47	660.75	11,995.19
962.20	678.55	1,925.53	2,295.07	4,928.46	1,409.89	659.01	16,081.36
342.52	106.93	245.41	569.63	880.52	216.58	426.53	1,645.25
.....	.....	.....	.....	.....	.....	.....	.....
291.87	203.81	328.41	388.37	498.95	239.58	787.06	7,010.83
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	4,815.01	.....	.....	1,867.38
4,419.89	3,664.43	10,800.91	12,867.30	28,552.30	6,344.67	6,751.97	97,584.91
324.15	479.18	2,723.75	.....	2,569.25	499.30	.....	7,176.60
.....	.....	.....	6,000.00	5,000.00	1,000.00	.....	7,000.00
122.65	3,102.80	275.42	402.99	1,039.49	677.43	18.84	13,198.77
.....	.....	28.31	13.20	717.73	.....	.....	681.52
.....	.....	.....	.....	.....	.....	.....	.....
1,777.19	616.53	1,345.28	1,875.83	5,981.42	1,266.83	1,088.89	34,248.20
.....	.....	.....	.....	.....	.....	85.00	100.00
6,643.88	7,862.94	15,173.67	21,159.32	43,860.19	9,788.23	7,944.70	159,990.00
.....	.....	.....	.....	.....	.....	1,308.66	.....
6,643.88	7,862.94	15,173.67	21,159.32	43,860.19	9,788.23	9,253.36	159,990.00
2,871.78	3,144.52	3,486.03	8,311.93	8,449.22	3,537.73	4,295.26	39,841.26
64.58	115.50	.....	.....	.....	95.16	506.92	4,499.12
.....	.....	.....	19.92	.....	.....	57.55	.....
.....	.....	.....	.....	.....	.....	.....	100.00
2,936.36	3,260.02	3,486.03	8,331.85	8,449.22	3,632.89	4,859.73	44,440.38
1,777.19	616.53	1,345.28	1,875.83	5,981.42	1,266.83	1,088.89	34,248.20
984.34	1,016.91	2,114.24	2,332.90	5,518.75	1,638.08	1,400.00	24,626.76
.....	.....	.....	.....	.....	.....	.....	.....
2,761.53	1,633.44	3,459.52	4,208.73	11,500.17	2,904.91	2,488.89	58,874.96
528.22	855.48	813.97	1,188.07	7,789.03	962.27	1,904.74	13,158.74
.....	.....	.....	.....	.....	.....	.....	.....
417.77	2,114.00	7,414.15	7,430.67	16,121.77	2,288.16	.....	43,515.92
945.99	2,969.48	8,228.12	8,618.74	23,910.80	3,250.43	1,904.74	56,674.66
6,643.88	7,862.94	15,173.67	21,159.32	43,860.19	9,788.23	9,253.36	159,990.00
60.3	44.9	25.2	43.2	22.3	42.6	70.9	35.3

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Dunnville	Dutton	Elmira	Elora	Embro
Population	3,434	813	2,405	1,079	467
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	3,379.78	.....	5,230.86	1,458.42	.....
Substation equipment	16,916.68	.....	.....	.....	.....
Distribution system, overhead	28,653.77	7,406.81	22,348.53	13,250.25	6,113.21
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	11,748.84	2,543.27	10,477.80	5,831.40	1,738.56
Meters	9,211.36	3,113.88	9,296.65	4,365.58	1,451.21
Street lighting equipment, regular	2,320.25	571.38	1,081.56	535.85	237.97
Street lighting equip., ornamental	4,767.47	.....	.....	.....	.....
Misc. construction expense	5,454.91	338.94	3,144.46	926.18	69.45
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	10,717.62	.....	2,325.08	1,425.47	429.25
Total plant	93,170.68	13,974.28	53,904.84	27,793.15	10,039.65
Bank and cash balance	6,039.92	1,526.91	508.26	3,229.32	1,231.43
Securities and investments	5,000.00	5,620.00	.....	.....	1,000.00
Accounts receivable	3,276.70	803.06	348.39	801.80	151.75
Inventories	1,279.51	67.75	1,668.00	417.00	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in H.E.P.C. systems	8,542.25	4,059.97	16,013.66	9,463.99	3,065.17
Other assets	.....	.....	.....	.....	.....
Total assets	117,309.06	26,051.97	72,443.15	41,705.26	15,488.00
Deficit	.....	.....	.....	.....	.....
Total	117,309.06	26,051.97	72,443.15	41,705.26	15,488.00
LIABILITIES					
Debenture balance	66,391.04	7,000.20	15,732.26	8,696.50	6,077.84
Accounts payable	3,948.57	.....	500.00	.....	.....
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	.....	226.00	70.00	.....
Total liabilities	70,339.61	7,000.20	16,458.26	8,766.50	6,077.84
RESERVES					
For equity in H.E.P.C. systems	8,542.25	4,059.97	16,013.66	9,463.99	3,065.17
For depreciation	14,019.15	3,958.60	10,159.74	6,718.80	3,382.79
Other reserves	.....	.....	.....	.....	.....
Total reserves	22,561.40	8,018.57	26,173.40	16,182.79	6,447.96
SURPLUS					
Debentures paid	9,108.96	1,407.29	4,267.74	4,303.50	1,422.15
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	15,299.09	9,625.91	25,543.75	12,452.47	1,540.05
Total surplus	24,408.05	11,033.20	29,811.49	16,755.97	2,962.20
Total liabilities, reserves and surplus	117,309.06	26,051.97	72,443.15	41,705.26	15,488.00
Percentage of net debt to total assets	64.7	31.8	29.1	27.1	48.9

"A"—Continued

Hydro Municipalities as at December 31, 1925

Erieau	Essex	Etobicoke Township	Exeter	Fergus	Ford City	Forest	Galt
80	1,540	12,594	1,527	1,765	6,781	1,462	12,880
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	22,716.02	2,968.84	.....	.....	5,300.08	193,214.83
.....	.....	.....	.....	.....	.....	.....	151,180.35
5,694.78	21,174.94	136,006.12	15,799.60	19,427.49	86,672.03	15,700.18	203,087.48
.....	.....	.....	.....	.....	.....	.....	.....
474.00	7,318.79	35,277.43	5,560.22	8,324.55	33,804.99	5,382.05	50,324.81
806.38	6,710.37	41,442.27	6,115.23	8,008.40	34,865.21	7,297.09	58,413.70
228.30	755.61	8,850.48	902.69	1,454.93	.....	2,114.98	11,072.43
.....	.....	.....	.....	.....	4,697.89	.....	60,079.49
379.90	761.92	5,481.22	1,925.49	834.81	2,646.61	685.90	25,109.58
.....	206.25	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	2,546.59	.....	11,084.87	.....
7,583.36	36,927.88	249,773.54	33,272.07	40,596.77	162,686.73	47,565.15	752,482.67
68.91	7,577.29	50.00	1,119.77	945.36	.....	807.57	175.00
.....	.....	.....	2,000.00	1,500.00	.....	5,000.00	.....
336.72	3,830.69	8,362.95	6,681.06	219.74	17,106.53	3,633.55	47,358.71
.....	.....	1,239.30	2,079.50	235.25	.....	4,002.68	15,186.32
.....	.....	.....	.....	.....	.....	.....	108,009.09
286.09	5,895.51	28,661.33	8,225.93	8,948.03	23,175.56	4,571.60	119,035.72
.....	.....	.....	.....	.....	.....	.....	744.13
8,275.08	54,231.37	288,087.12	53,378.33	52,445.15	202,968.82	65,580.55	1042,991.64
.....	.....	.....	.....	.....	.....	.....	.....
8,275.08	54,231.37	288,087.12	53,378.33	52,445.15	202,968.82	65,580.55	1042,991.64
6,679.25	22,189.38	124,463.89	14,729.27	24,590.64	106,335.65	19,760.50	486,467.79
25.15	864.85	18,378.00	100.86	941.42	9,162.47	713.13	81,075.02
.....	.....	3,792.31	.....	.....	.....	.....	29,576.87
.....	390.00	3,801.97	.....	10.00	4,697.89	.....	.....
6,704.40	23,444.23	150,436.17	14,830.13	25,542.06	120,196.01	20,473.63	597,119.68
286.09	5,895.51	28,661.33	8,225.93	8,948.03	23,175.56	4,571.60	119,035.72
144.00	4,132.31	37,507.40	6,577.40	6,815.22	9,820.13	6,916.10	99,683.38
.....	.....	.....	.....	.....	.....	.....	700.00
430.09	10,027.82	66,168.73	14,803.33	15,763.25	32,995.69	11,487.70	219,419.10
203.88	310.62	16,536.11	5,270.78	5,409.36	7,664.35	14,639.50	31,534.16
.....	.....	.....	.....	.....	.....	.....	108,009.09
936.71	20,448.70	54,946.11	18,474.09	5,730.48	42,112.77	18,979.72	86,909.61
1,140.59	20,759.32	71,482.22	23,744.87	11,139.84	49,777.12	33,619.22	226,452.86
8,275.08	54,231.37	288,087.12	53,378.33	52,445.15	202,968.82	65,580.55	1042,991.64
83.9	48.5	58.0	32.8	58.7	65.9	33.5	59.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	George-town	Glencoe	Goderich	Granton P.V.	Guelph
Population	1,971	751	4,224		18,875
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	12.00	.....	12,957.48	.....	12,004.40
Substation equipment	.....	.....	9,795.28	.....	92,583.77
Distribution system, overhead	22,562.62	16,628.63	47,704.40	3,596.17	125,617.02
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	13,112.76	3,722.79	15,208.53	793.55	58,127.53
Meters	9,319.22	3,635.69	13,763.99	1,066.99	64,433.20
Street lighting equipment, regular	1,304.14	1,647.22	4,551.34	157.77	32,918.04
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	1,864.31	3,218.30	4,718.01	113.08	14,486.28
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	2,209.80	.....	14,622.15	.....	.....
Total plant	50,384.85	28,852.63	123,321.18	5,727.56	400,170.24
Bank and cash balance	3,592.66	3,513.89	7,261.18	1,069.30	46,947.49
Securities and investments	19,093.00	.....	.....	2,000.00	.....
Accounts receivable	2,006.24	802.11	14,507.06	60.60	35,293.86
Inventories	1,319.84	121.77	1,319.46	.....	30,199.48
Sinking fund on local debentures	.....	.....	5,772.01	.....	26,648.29
Equity in H.E.P.C. systems	23,719.18	2,732.80	29,321.88	1,912.04	134,922.31
Other assets	.....	.....	803.22	.....	449.22
Total assets	100,115.77	36,023.20	182,305.99	10,769.50	674,630.89
Deficit	.....	.....	.....	.....	.....
Total	100,115.77	36,023.20	182,305.99	10,769.50	674,630.89
LIABILITIES					
Debenture balance	15,732.24	15,118.87	54,015.99	2,916.47	83,882.24
Accounts payable	2,605.38	1,184.58	4,876.35	260.85	16,103.43
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	4.75	.....	.....	.....	1,742.07
Total liabilities	18,342.37	16,303.45	58,892.34	3,177.32	101,727.74
RESERVES					
For equity in H.E.P.C. systems	23,719.18	2,732.80	29,321.88	1,912.04	134,922.31
For depreciation	14,101.68	2,272.63	34,355.66	1,379.05	78,810.97
Other reserves	.....	.....	2,786.00	.....	100.00
Total reserves	37,820.86	5,005.43	66,463.54	3,291.09	213,833.28
SURPLUS					
Debentures paid	4,267.76	4,994.01	22,072.06	583.53	61,117.75
Local sinking fund	.....	.....	5,772.01	.....	26,648.29
Additional operating surplus	39,684.78	9,720.31	29,106.04	3,717.56	271,303.83
Total surplus	43,952.54	14,714.32	56,950.11	4,301.09	359,069.87
Total liabilities, reserves and surplus	100,115.77	36,023.20	182,305.99	10,769.50	674,630.89
Percentage of net debt to total assets	24.0	48.9	36.1	35.9	14.6

"A"—Continued

Hydro Municipalities as at December 31, 1925

Hagersville 1,107	Hamilton 120,945	Harriston 1,273	Harrow P.V.	Hensall 721	Hespeler 2,826	Highgate 394	Humberstone 1,441
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c
.....	667,176.45	.....	.....	.....	3,588.09	.....	.....
864.37	321,082.31	600.00	.....	.....	15,336.98	.....	.....
16,175.06	643,326.44	15,441.54	7,987.49	8,190.47	24,275.20	4,345.75	19,456.57
.....	322,321.66	.....	.....	.....	.....	.....	.....
6,950.77	348,552.12	5,052.61	4,314.45	2,521.47	11,643.70	1,857.25	4,393.73
6,213.16	360,910.26	4,490.99	3,733.56	2,855.50	10,343.58	1,481.80	4,981.17
659.82	114,690.46	641.15	273.27	436.67	1,706.77	310.66	689.66
.....	.....	.....	.....	.....	.....	.....	.....
387.71	170,194.35	832.24	63.62	462.25	466.17	514.48	2,681.50
.....	.....	.....	.....	.....	.....	.....	.....
.....	2,000.00	1,118.33	.....	400.00	2,129.87	.....	.....
31,250.89	2950,254.05	28,176.86	16,372.39	14,866.36	69,490.36	8,509.94	32,202.63
1,070.89	8,277.78	.....	8,079.41	6,699.00	2,426.99	782.40	145.00
2,000.00	.....	.....	.....	.....	.....	2,500.00	.....
.....	285,748.28	3,219.12	1,288.92	1,570.13	11,606.10	751.11	276.49
63.30	88,380.13	197.51	.....	.....	.....	61.15	.....
.....	330,707.67	.....	.....	.....	.....	.....	.....
17,210.50	534,230.60	7,249.04	2,532.18	2,845.68	17,417.43	2,094.06	727.64
.....	2,959.61	.....	.....	.....	.....	.....	.....
51,595.58	4200,558.12	38,842.53	28,272.90	25,981.17	100,940.88	14,698.66	33,351.76
.....	.....	.....	.....	.....	.....	.....	573.02
51,595.58	4200,558.12	38,842.53	28,272.90	25,981.17	100,940.88	14,698.66	33,924.78
5,703.23	2280,017.85	12,075.73	11,673.80	10,066.17	28,307.22	4,170.19	27,200.00
2,791.81	235,515.36	1,195.77	955.85	1,199.92	.....	.....	3,428.09
.....	.....	1,474.57	.....	.....	.....	.....	1,073.05
.....	94,951.76	.....	95.00	.....	412.50	3.00	145.00
8,495.04	2610,484.97	14,746.07	12,724.65	11,266.09	28,719.72	4,173.19	31,846.14
17,210.50	534,230.60	7,249.04	2,532.18	2,845.68	17,417.43	2,094.06	727.64
1,801.79	456,068.26	3,027.52	2,778.88	3,455.21	8,546.03	1,679.30	551.00
.....	.....	.....	.....	.....	.....	.....	.....
19,012.29	990,298.86	10,276.56	5,311.06	6,300.89	25,963.46	3,773.36	1,278.64
2,296.77	139,982.15	6,242.30	326.20	1,933.83	24,263.29	829.81	800.00
.....	330,707.67	.....	.....	.....	.....	.....	.....
21,791.48	129,084.47	7,577.60	9,910.99	6,480.36	21,994.41	5,922.30	.....
24,088.25	599,774.29	13,819.90	10,237.19	8,414.19	46,257.70	6,752.11	800.00
51,595.58	4200,558.12	38,842.53	28,272.90	25,981.17	100,940.88	14,698.66	33,924.78
24.7	68.3	46.6	49.4	48.7	34.4	33.1	97.6

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Ingersoll	Jarvis	Kingsville	Kitchener	Lambeth P.V.
Population	4,932	466	2,215	24,280	
Assets	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	11,922.65	.....	1,958.72	51,457.24	.....
Substation equipment	17,002.71	.....	.....	162,974.26	.....
Distribution system, overhead	45,094.13	7,914.40	22,071.11	208,117.70	5,094.38
Distribution system, underground	.....	.....	.....	31,625.04	.....
Line transformers	19,633.70	2,586.66	10,014.04	121,749.74	817.71
Meters	20,881.23	1,484.64	9,930.73	122,513.71	1,519.55
Street lighting equipment, regular	2,838.87	549.59	1,162.55	41,036.18	167.40
Street lighting equip., ornamental	4,597.59	.....	.....	.....	.....
Misc. construction expense	10,358.65	536.27	Cr. 479.99	13,826.85	300.71
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	20,149.68	.....	.....	52,398.91	.....
Total plant	152,479.21	13,071.56	44,657.16	805,699.63	7,899.75
Bank and cash balance	2,303.46	229.47	5,582.44	75.00	1,501.00
Securities and investments	17,696.46	.....	12,000.00	9,617.00	.....
Accounts receivable	15,424.87	1,142.36	5,074.69	62,634.51	1,118.22
Inventories	2,290.55	.....	.....	38,434.50	.....
Sinking fund on local debentures	35,159.91	.....	.....	.....	.....
Equity in H.E.P.C. systems	40,126.33	1,392.26	7,430.13	239,193.75	1,848.71
Other assets	.....	.....	.....	.....	.....
Total assets	265,480.79	15,835.65	74,744.42	1155,654.39	12,367.68
Deficit	.....	.....	.....	.....	.....
Total	265,480.79	15,835.65	74,744.42	1155,654.39	12,367.68
Liabilities					
Debenture balance	79,800.00	9,881.18	33,076.26	355,993.26	3,333.12
Accounts payable	9,472.67	900.00	2,682.44	10,865.15	290.60
Bank overdraft	.....	.....	.....	35,283.43	.....
Other liabilities	4,597.59	.....	925.83	9,767.50	.....
Total liabilities	93,870.26	10,781.18	36,684.53	411,909.34	3,623.72
Reserves					
For equity in H.E.P.C. systems	40,126.33	1,392.26	7,430.13	239,193.75	1,848.71
For depreciation	20,825.09	250.00	5,998.69	137,368.00	1,724.44
Other reserves	.....	.....	.....	.....	.....
Total reserves	60,951.42	1,642.26	13,428.82	376,561.75	3,573.15
Surplus					
Debentures paid	.....	618.82	423.74	156,156.74	666.88
Local sinking fund	35,159.91	.....	.....	.....	.....
Additional operating surplus	75,499.20	2,793.39	24,207.33	211,026.56	4,503.93
Total surplus	110,659.11	3,412.21	24,631.07	367,183.30	5,170.81
Total liabilities, reserves and surplus	265,480.79	15,835.65	74,744.42	1155,654.39	12,367.68
Percentage of net debt to total assets	29.1	74.6	54.5	44.9	34.3

"A"—Continued

Hydro Municipalities as at December 31, 1925

Leamington 4,001	Listowel 2,389	London 61,867	London Township 6,947	Louth Township 2,480	Lucan 614	Lynden P.V.	Markham 950
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,972.41	1,283.96	359,889.42	.....	.....	.....	241.18	.....
1,958.04	.....	653,817.49	.....	.....	.....	.....	.....
29,191.08	30,767.87	627,270.97	12,143.13	2,551.79	8,147.86	3,109.39	9,981.42
.....	.....	147,010.60	.....	.....	.....	.....	.....
14,302.62	13,159.00	140,604.27	3,245.18	2,858.63	3,404.90	1,207.38	4,193.37
16,293.49	12,054.16	247,744.64	2,236.17	676.53	2,672.40	1,188.26	3,782.08
1,210.25	1,238.10	39,971.66	519.11	.....	372.54	173.44	531.09
.....	5,772.22	12,657.94	.....	.....	.....	.....	.....
270.42	1,571.16	93,829.11	429.31	Cr. 126.84	445.77	193.57	1,113.39
.....	.....	.....	.....	.....	.....	.....	.....
.....	4,745.30	.....	1,733.80	.....	2,860.45	.....	11.03
70,198.31	70,591.77	2322,796.10	20,306.70	5,960.11	17,903.92	6,113.22	19,612.38
10,319.86	1,710.97	69,521.95	1,876.51	37.61	6,264.71	2,879.20	2,735.95
19,000.00	.....	.....	.....	.....	2,000.00	.....	2,126.54
10,087.57	3,670.40	145,959.59	1,603.24	899.85	446.59	502.58	679.86
.....	49.95	62,105.88	.....	.....	43.94	.....	.....
.....	.....	250,175.25	.....	.....	.....	.....	.....
9,187.26	12,917.65	459,944.44	412.58	40.90	5,157.63	4,315.67	2429.26
.....	.....	75,000.00	.....	470.40	.....	.....	.....
118,793.00	88,940.74	3385,503.21	24,199.03	7,408.87	31,816.79	13,810.67	27,583.99
.....	.....	.....	.....	.....	.....	.....	.....
118,793.00	88,940.74	3385,503.21	24,199.03	7,408.87	31,816.79	13,810.67	27,583.99
46,695.14	24,793.36	1440,308.45	11,558.59	1,609.80	7,531.34	3,696.36	7,805.45
2,374.95	1,747.75	187,962.90	6,074.71	3,790.83	380.56	.....	1,536.69
.....	.....	.....	.....	.....	.....	.....	.....
1,312.38	5,787.30	27,323.00	.....	.....	.....	.....	.....
50,382.47	32,328.41	1655,594.35	17,633.30	5,400.63	7,911.90	3,696.36	9,342.14
9,187.26	12,917.65	459,944.44	412.58	40.90	5,157.63	4,315.67	2,429.26
10,079.52	11,890.87	470,144.55	364.00	664.82	4,120.67	1,740.05	2,236.50
.....	.....	.....	.....	470.40	.....	.....	.....
19,266.78	24,808.52	930,088.99	776.58	1,176.12	9,278.30	6,055.72	4,665.76
1,304.86	18,396.53	141,591.55	1,941.41	340.20	3,682.28	798.64	3,753.38
.....	.....	250,175.25	.....	.....	.....	.....	.....
47,838.89	13,407.28	408.053.07	3,847.74	491.92	10,944.31	3,259.95	9,822.71
49,143.75	31,803.81	799,819.87	5,789.15	832.12	14,626.59	4,058.59	13,576.09
118,793.00	88,940.74	3385,503.21	24,199.03	7,408.87	31,816.79	13,810.67	27,583.99
46.0	37.8	52.5	74.1	73.3	29.6	38.9	37.1

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Merlin P.V.	Merritton	Milton	Milverton	Mimico
Population		2,574	1,950	1,059	4,486
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	350.00	.....	237.20	13,527.49
Substation equipment	.....	9,737.96	11,868.94	.....	24,558.94
Distribution system, overhead	7,615.37	15,224.10	17,124.81	9,189.82	46,486.93
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	2,145.28	3,545.82	8,117.41	6,398.74	18,186.21
Meters	1,789.84	7,250.28	8,990.42	3,627.80	20,042.04
Street lighting equipment, regular	517.08	1,407.25	986.67	646.09	3,161.37
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	455.36	2,143.09	4,193.80	557.93	3,690.83
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	241.85	.....	4,065.85	.....	.....
Total plant	12,764.78	39,658.50	55,347.90	20,657.58	129,653.81
Bank and cash balance	6,645.25	3,369.34	2,824.08	767.81	2,477.22
Securities and investments	.....	.....	.....	.....	.....
Accounts receivable	1,452.64	.....	5,724.57	5,839.26	664.41
Inventories	.....	176.85	2,502.03	.....	61.15
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in H.E.P.C. systems	1,847.66	7,081.54	29,385.15	10,791.73	21,306.90
Other assets	.....	.....	.....	.....	.....
Total assets	22,710.33	50,286.23	95,783.73	38,056.38	154,163.49
Deficit	.....	.....	.....	.....	.....
Total	22,710.33	50,286.23	95,783.73	38,056.38	154,163.49
LIABILITIES					
Debenture balance	12,169.95	2,185.18	9,264.42	5,991.42	80,056.12
Accounts payable	1,647.26	2,257.18	19,131.38	2,724.75	7,452.22
Bank overdraft	.....	2,142.35	.....	.....	.....
Other liabilities	.....	.....	.50	877.74	1,210.00
Total liabilities	13,817.21	6,584.71	28,396.30	9,593.91	88,718.34
RESERVES					
For equity in H.E.P.C. systems	1,847.66	7,081.54	29,385.15	10,791.73	21,306.90
For depreciation	261.30	3,458.33	9,030.16	3,415.52	20,912.55
Other reserves	.....	.....	.....	.....	.....
Total reserves	2,108.96	10,539.87	38,415.31	14,207.25	42,219.45
SURPLUS					
Debentures paid	1,194.26	3,001.03	15,448.56	3,508.58	11,943.88
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	5,589.90	30,160.62	13,523.56	10,746.64	11,281.82
Total surplus	6,784.16	33,161.65	28,972.12	14,255.22	23,225.70
Total liabilities, reserves and surplus	22,710.33	50,286.23	95,783.73	38,056.38	154,163.49
Percentage of net debt to total assets	66.2	15.2	42.7	35.1	66.8

"A"—Continued

Hydro Municipalities as at December 31, 1925

Mitchell 1,731	Moore-field P.V.	Mount Brydges P.V.	Newbury 286	New Hamburg 1,441	New Toronto 3,917	Niagara Falls 15,936	Niagara-on-the-lake 1,626
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12,362.49	.....	.....	.....	2,440.19	28,436.91	106,460.04	216.42
12,424.30	.....	.....	.....	1,083.10	.....	99,535.37	4,633.32
20,380.93	2,778.81	3,875.75	5,872.89	16,640.60	47,440.71	145,868.67	17,443.60
.....	.....	.....	.....	.....	.....	.....	.....
6,988.44	990.72	1,118.69	1,036.62	5,388.14	13,653.48	101,982.90	3,405.16
9,101.65	934.52	1,546.17	800.80	5,831.04	16,836.46	84,885.59	4,666.47
2,214.63	295.88	208.44	817.42	1,512.45	3,569.16	19,002.23	698.30
.....	.....	.....	.....	.....	.....	76,407.80	.....
881.73	348.35	143.82	485.13	1,114.43	3,964.69	7,878.39	1,131.07
.....	.....	.....	.....	.....	.....	.....	.....
1,500.00	.....	.....	348.22	5,242.56	.....	12,807.23	.....
65,854.17	5,348.28	6,892.87	9,361.08	39,252.51	113,901.41	654,828.22	32,194.34
8,697.52	1,061.61	1,484.85	2,197.77	1,158.21	25.00	9,947.72	.....
.....	.....	3,000.00	.....	5,000.00	.....	.....	.....
1,646.84	302.59	1,185.37	358.82	1,978.62	7,733.63	53,961.98	494.19
1,498.92	38.32	.....	.....	898.66	325.48	2,238.41	.....
.....	.....	.....	.....	.....	.....	.....	.....
10,876.64	1,087.07	1,346.47	670.95	12,430.97	75,155.10	88,301.46	4,053.12
.....	.....	.....	.....	.....	1,419.57	683.17	.....
88,574.09	7,837.87	13,909.56	12,588.62	60,718.97	198,560.19	809,960.96	36,741.65
.....	.....	.....	.....	.....	.....	.....	.....
88,574.09	7,837.87	13,909.56	12,588.62	60,718.97	198,560.19	809,960.96	36,741.65
4,008.59	3,267.45	3,370.23	7,800.00	12,153.85	6,083.41	321,142.91	9,815.89
1,018.42	.....	214.50	256.59	1,183.60	2,671.99	45,069.62	80.42
.....	.....	.....	.....	.....	4,279.84	41,035.24	499.05
.....	.....	.....	.....	10.00	1,386.85	8,307.52	.....
5,027.01	3,267.45	3,584.73	8,056.59	13,347.45	14,422.09	415,555.29	10,395.36
10,876.64	1,087.07	1,346.47	670.95	12,430.97	75,155.10	88,301.46	4,053.12
18,862.71	849.90	1,783.78	690.74	8,711.87	16,076.23	58,686.33	1,897.17
.....	.....	.....	.....	.....	.....	1,540.20	.....
29,739.35	1,936.97	3,130.25	1,361.69	21,142.84	91,231.33	148,527.99	5,950.29
18,286.63	1,232.55	849.77	1,954.39	5,575.23	1,916.59	159,100.09	6,857.65
.....	.....	.....	.....	.....	.....	.....	.....
35,521.10	1,400.90	6,344.81	1,215.95	20,653.45	90,990.18	86,777.59	13,538.35
53,807.73	2,633.45	7,194.58	3,170.34	26,228.68	92,906.77	245,877.68	20,396.00
88,574.09	7,837.87	13,909.56	12,588.62	60,718.97	198,560.19	809,960.96	36,741.65
6.4	48.4	28.5	67.6	27.6	11.6	57.6	31.8

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Norwich	Oil Springs	Otterville P.V.	Palmerston	Paris
Population	1,316	452		1,525	4,184
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	3,852.52	1,042.00			7,626.26
Substation equipment				691.88	18,448.57
Distribution system, overhead	8,890.09	11,417.58	4,525.70	19,189.25	43,974.59
Distribution system, underground					
Line transformers	4,140.74	5,057.90	2,381.89	5,135.39	14,702.07
Meters	5,753.97	3,086.78	1,678.22	5,747.01	16,460.37
Street lighting equipment, regular	1,100.17	305.72	378.37	1,111.03	2,895.74
Street lighting equip., ornamental	2,870.94				9,608.40
Misc. construction expense	1,956.26	1,857.08	142.00	1,688.23	37.60
Steam or hydraulic plant					
Old plant	3,509.82			4,018.71	16,684.76
Total plant	32,074.51	22,767.06	9,106.18	37,581.50	130,438.36
Bank and cash balance	990.24	5,938.51	2,394.19	10.00	9,424.73
Securities and investments	3,000.00		1,000.00	3,000.00	11,000.00
Accounts receivable	5,031.34	1,378.22	711.12	2,159.83	334.17
Inventories	1,586.03	997.38		2,916.64	69.30
Sinking fund on local debentures					13,179.78
Equity in H.E.P.C. systems	10,813.35	5,217.78	1,494.50	7,263.02	23,933.97
Other assets					
Total assets	53,495.47	36,298.95	14,705.99	52,930.99	188,380.31
Deficit					
Total	53,495.47	36,298.95	14,705.99	52,930.99	188,380.31
LIABILITIES					
Debenture balance	9,861.55	12,371.46	2,887.58	9,880.92	39,115.96
Accounts payable	2,097.56	1,750.36	67.09	107.50	3,060.82
Bank overdraft				136.71	
Other liabilities					
Total liabilities	11,959.11	14,121.82	2,954.67	10,125.13	42,176.78
RESERVES					
For equity in H.E.P.C. systems	10,813.35	5,217.78	1,494.50	7,263.02	23,933.97
For depreciation	624.48	3,081.14	1,865.03	4,660.77	36,765.23
Other reserves					
Total reserves	11,437.83	8,298.92	3,359.53	11,923.79	60,699.20
SURPLUS					
Debentures paid	3,894.45	4,349.85	1,612.42	17,119.08	52,884.04
Local sinking fund					13,179.78
Additional operating surplus	26,204.08	9,528.36	6,779.37	13,762.99	19,440.51
Total surplus	30,098.53	13,878.21	8,391.79	30,882.07	85,504.33
Total liabilities, reserves and surplus	53,495.47	36,298.95	14,705.99	52,930.99	188,380.31
Percentage of net debt to total assets	28.0	45.4	22.3	22.2	19.1

"A"—Continued

Hydro Municipalities as at December 31, 1925

Parkhill 1,064	Petrolia 2,709	Plattsville P.V.	Point Edward 1,116	Port Colborne 3,961	Port Credit 1,225	Port Dalhousie 1,417	Port Dover 1,643
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	900.00	.....	.....	22,120.24	675.00	.....	.....
.....	2,403.55	.....	.....	.....	.....	.....	.....
15,157.86	28,579.56	3,107.55	12,614.04	55,937.69	16,254.21	11,746.62	22,102.95
.....	.....	.....	.....	.....	.....	.....	.....
2,962.69	22,474.87	1,138.42	5,396.85	16,176.62	4,968.62	5,221.71	6,751.87
3,274.05	12,243.53	1,480.84	4,203.42	15,761.09	5,835.17	6,827.87	4,102.16
846.78	985.28	147.15	711.77	1,462.32	814.66	627.45	1,501.84
.....	3,864.07	.....	.....	.....	.....	.....	.....
1,346.82	5,964.79	535.92	503.14	5,008.24	626.31	1,720.76	2,370.66
.....	.....	.....	.....	.....	.....	.....	.....
.....	3,389.94	.....	.....	9,929.60	.....	6,018.38	.....
23,588.20	80,805.50	6,409.88	23,429.22	126,395.80	29,173.97	32,162.79	36,829.48
2,338.54	5,142.11	30.67	3,018.47	345.69	.....	5,061.15	433.28
.....	11,000.00	.....	.....	.....	.....	.....	.....
.....	3,797.68	.....	2,129.04	8,489.01	1,769.94	1,261.78	459.86
.....	4,281.21	.....	.....	1,066.08	.....	.....	.....
.....	.....	.....	.....	.....	.....	671.92	.....
2,600.98	20,940.48	2,836.78	6,709.60	10,947.33	5,580.44	4,471.39	2,392.70
.....	.....	.....	.....	.....	.....	.....	.....
28,527.72	125,967.07	9,277.33	35,286.33	147,243.91	36,524.35	43,629.03	40,115.32
.....	.....	742.19	.....	.....	.....	.....	.....
28,527.72	125,967.07	10,019.52	35,286.33	147,243.91	36,524.35	43,629.03	40,115.32
12,219.66	39,092.86	4,117.14	14,220.12	89,842.29	5,288.19	17,312.44	24,505.09
1,248.86	.....	163.21	741.75	21,756.24	3,509.99	180.04	.....
.....	.....	.....	.....	815.48	224.93	.....	.....
.....	.....	.....	.....	300.00	.....	.....	7.00
13,468.52	39,092.86	4,280.35	14,961.87	112,714.01	9,023.11	17,492.48	24,512.09
2,600.98	20,940.48	2,836.78	6,709.60	10,947.33	5,580.44	4,471.39	2,392.70
1,961.35	15,390.36	1,782.53	4,354.00	6,677.64	6,560.09	2,431.37	2,543.00
.....	.....	.....	.....	459.76	.....	.....	.....
4,562.33	36,330.84	4,619.31	11,063.60	18,084.73	12,140.53	6,902.76	4,935.70
2,410.36	10,907.14	1,119.86	2,779.88	11,157.71	3,211.81	5,187.56	4,494.91
.....	.....	.....	.....	.....	.....	671.92	.....
8,086.51	39,636.23	.....	6,480.98	5,287.46	12,148.90	13,374.31	6,172.62
10,496.87	50,543.37	1,119.86	9,260.86	16,445.17	15,360.71	19,233.79	10,667.53
28,527.72	125,967.07	10,019.52	35,286.33	147,243.91	36,524.35	43,629.03	40,115.32
51.9	37.2	66.4	52.3	82.6	29.1	43.7	64.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Port Stanley	Preston	Princeton P.V.	Queenston P.V.	Ridgetown
Population	727	5,509			1,957
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	1,505.38				
Substation equipment		36,555.06			1,024.24
Distribution system, overhead	15,156.59	74,701.71	2,835.96	6,528.31	15,703.41
Distribution system, underground					
Line transformers	5,952.24	37,159.77	630.92	1,086.50	7,710.97
Meters	3,239.55	29,944.96	742.83	1,254.97	7,414.96
Street lighting equipment, regular	903.93	3,837.37	116.30	409.49	1,091.79
Street lighting equip., ornamental		3,560.33			1,431.73
Misc. construction expense	5,606.55	6,026.53	64.35	1,948.71	1,211.72
Steam or hydraulic plant					
Old plant	577.51	32,126.75			5,088.46
Total plant	32,941.75	223,912.48	4,390.36	11,227.98	40,677.28
Bank and cash balance	2,845.22	5,210.62	1,260.22	591.21	2,296.42
Securities and investments	3,000.00				15,500.00
Accounts receivable	225.20	13,221.93		231.98	2,342.27
Inventories			36.45		2,147.61
Sinking fund on local debentures					
Equity in H.E.P.C. systems	10,145.45	71,854.11	1,512.62	964.90	8,300.05
Other assets					
Total assets	49,157.62	314,199.14	7,199.65	13,016.07	71,263.63
Deficit					
Total	49,157.62	314,199.14	7,199.65	13,016.07	71,263.63
LIABILITIES					
Debenture balance	12,979.43	71,789.18	2,790.89	7,048.59	10,619.75
Accounts payable		14,101.77	156.82	2,163.63	
Bank overdraft					
Other liabilities		3,560.33			1,431.73
Total liabilities	12,979.43	89,451.28	2,947.71	9,212.22	12,051.48
RESERVES					
For equity in H.E.P.C. systems	10,145.45	71,854.11	1,512.62	964.90	8,300.05
For depreciation	6,707.95	51,752.70	1,220.51	744.00	7,473.67
Other reserves					
Total reserves	16,853.40	123,606.81	2,733.13	1,708.90	15,773.72
SURPLUS					
Debentures paid	5,970.57	61,010.82	759.11	951.41	8,836.24
Local sinking fund					
Additional operating surplus	13,354.22	40,130.23	759.70	1,143.54	34,602.19
Total surplus	19,324.79	101,141.05	1,518.81	2,094.95	43,438.43
Total liabilities, reserves and surplus	49,157.62	314,199.14	7,199.65	13,016.07	71,263.63
Percentage of net debt to total assets	33.2	35.9	51.8	75.6	17.2

"A"—Continued

Hydro Municipalities as at December 31, 1925

Riverside 3,034	Rockwood P.V.	Rodney 706	St. Catharines 21,141	St. Clair Beach 135	St. George P.V.	St. Jacobs P.V.	St. Marys 3,971
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	79.00	.....	37,167.09	.....	.....	.....	3,000.00
.....	.....	.....	54,589.56	.....	.....	.....	24,010.37
52,731.47	6,122.21	8,448.12	152,702.21	5,516.71	3,824.34	5,217.97	39,717.83
.....	.....	.....	.....	.....	.....	.....	.....
15,911.31	1,370.61	1,950.74	70,797.81	1,514.68	1,354.51	2,027.49	15,319.24
14,090.91	1,831.72	2,834.28	62,593.43	875.38	1,879.07	1,749.68	18,245.10
.....	442.05	556.77	14,981.59	.....	228.77	311.60	2,959.54
3,210.93	.....	.....	27,448.87	.....	.....	.....	.....
3,675.95	308.05	792.65	36,039.68	.....	374.18	452.22	3,540.04
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	700.00	8,241.00	.....	.....	.....	20,696.85
89,620.57	10,153.64	15,282.56	464,561.24	7,906.77	7,660.87	9,758.96	127,488.97
.....	976.42	3,023.96	2,214.45	.....	742.54	137.14	2,549.53
.....	.....	4,043.64	19,900.00	.....	8,500.00	1,000.00	.....
6,825.00	187.57	58.87	13,888.93	3,602.57	.....	1,351.82	3,241.08
.....	98.75	.....	465.90	.....	295.00	.....	4,320.00
.....	.....	.....	36,393.57	.....	.....	.....	7,050.91
5,686.67	2,939.86	2,022.61	78,809.13	815.02	2,668.45	1,716.20	31,037.78
.....	.....	.....	.....	.....	.....	.....	.....
102,132.24	14,356.24	24,431.64	616,233.22	12,324.36	19,866.86	13,964.12	175,688.27
.....	.....	.....	.....	.....	.....	.....	.....
102,132.24	14,356.24	24,431.64	616,233.22	12,324.36	19,866.86	13,964.12	175,688.27
52,977.39	.....	7,179.20	197,041.06	5,796.03	4,791.99	4,326.96	45,218.21
13,936.44	.....	.....	15,543.41	156.25	412.43	.....	326.42
.....	.....	.....	.....	.....	.....	.....	.....
3,210.93	.....	.....	27,448.87	.....	.....	.....	.....
70,124.76	.....	7,179.20	240,033.34	5,952.28	5,204.42	4,326.96	45,544.63
5,686.67	2,939.86	2,022.61	78,809.13	815.02	2,668.45	1,716.20	31,037.78
4,564.41	2,974.66	1,306.68	89,618.29	454.00	2,159.00	909.55	34,148.10
.....	.....	.....	4,665.61	.....	.....	.....	.....
10,251.08	5,914.52	3,329.29	173,093.03	1,269.02	4,827.45	2,625.75	65,185.88
4,522.61	2,000.00	1,320.80	34,981.85	545.42	1,208.01	1,673.04	44,028.81
.....	.....	.....	36,393.57	.....	.....	.....	7,050.91
17,233.79	6,441.72	12,602.35	131,731.43	4,557.64	8,626.98	5,338.37	13,878.04
21,756.40	8,441.72	13,923.15	203,106.85	5,103.06	9,834.99	7,011.41	64,957.76
102,132.24	14,356.24	24,431.64	616,233.22	12,324.36	19,866.86	13,964.12	175,688.27
71.7	.....	32.4	37.2	51.7	30.5	35.3	27.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	St. Thomas	Sandwich	Sarnia	Scarboro' Township	Seaforth
Population	17,327	6,059	15,274	13,250	1,847
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	42,212.65	317.75	81,519.26	.....	1,251.57
Substation equipment	88,046.40	2,657.55	129,695.86	.....	5,999.16
Distribution system, overhead	96,521.81	69,930.15	155,997.77	171,449.46	27,523.32
Distribution system, underground	11,868.96	.....	.....	.....	.....
Line transformers	42,975.86	27,561.19	74,338.03	32,453.34	7,029.74
Meters	54,679.81	30,559.16	61,739.58	43,102.15	8,248.57
Street lighting equipment, regular	13,548.46	8,862.80	5,623.78	10,169.72	1,074.49
Street lighting equip., ornamental	7,538.63	21,716.25	7,482.11	.....	.....
Misc. construction expense	5,931.19	8,939.82	19,708.26	Cr.1,820.69	459.33
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	.....	56,248.50	.....	.....
Total plant	363,323.77	170,544.67	592,353.15	255,353.98	51,586.18
Bank and cash balance	28,932.73	4,318.60	13,000.72	5,256.78	9,352.21
Securities and investments	27,794.31	.....	.....	.....	.....
Accounts receivable	14,800.46	10,001.41	32,066.78	5,139.97	5,506.39
Inventories	25,406.25	.....	4,979.68	.....	3,305.49
Sinking fund on local debentures	.....	.....	.....	.....	8,153.55
Equity in H.E.P.C. systems	101,914.75	16,469.50	99,615.26	10,656.50	21,365.43
Other assets	.....	.....	.....	1,176.78	.....
Total assets	562,172.27	201,334.18	742,015.59	277,584.01	99,269.25
Deficit	.....	.....	.....	.....	.....
Total	562,172.27	201,334.18	742,015.59	277,584.01	99,269.25
LIABILITIES					
Debenture balance	69,807.77	112,834.49	264,362.95	171,245.21	25,000.00
Accounts payable	1,456.50	13,181.13	14,364.29	1,344.28	.....
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	3,178.76	25,394.19	9,871.67	10,855.91	20.50
Total liabilities	74,443.03	151,409.81	288,598.91	183,445.40	25,020.50
RESERVES					
For equity in H.E.P.C. systems	101,914.75	16,469.50	99,615.26	10,656.50	21,365.43
For depreciation	76,569.33	10,627.12	87,445.95	19,210.94	15,220.51
Other reserves	.....	.....	.....	1,176.78	.....
Total reserves	178,484.08	27,096.62	187,061.21	31,044.22	36,585.94
SURPLUS					
Debentures paid	73,276.66	5,738.54	73,637.05	19,323.06	.....
Local sinking fund	.....	.....	.....	.....	8,153.55
Additional operating surplus	235,968.50	17,089.21	192,718.42	43,771.33	29,509.26
Total surplus	309,245.16	22,827.75	266,355.47	63,094.39	37,662.81
Total liabilities, reserves and surplus	562,172.27	201,334.18	742,015.59	277,584.01	99,269.25
Percentage of net debt to total assets	16.4	79.5	44.6	68.7	24.1

"A"—Continued

Hydro Municipalities as at December 31, 1925

Simcoe 4,118	Springfield 391	Stamford Township 5,460	Stouffville 1,071	Stratford 18,425	Strathroy 2,642	Sutton 891	Tavistock 1,008
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,044.29	.....	5,790.86	.....	113,203.50	1,070.00	.....	234.02
5,640.37	.....	14,821.82	.....	100,447.54	14,855.37	.....	.....
28,313.88	7,644.23	55,207.17	9,561.44	145,070.52	30,884.17	16,783.23	10,044.98
.....	.....	.....	.....	.....	.....	.....	.....
14,477.47	2,169.19	21,271.28	2,579.32	72,753.62	15,783.55	3,170.58	3,593.47
12,612.73	1,452.34	15,753.23	2,008.88	76,784.95	11,838.24	3,545.52	3,756.65
1,938.45	314.31	5,034.70	851.09	4,124.57	2,136.10	1,210.72	878.59
2,527.16	.....	.....	.....	14,727.04	.....	.....	.....
4,695.27	685.08	7,467.93	258.91	14,942.04	1,444.37	1,464.39	711.79
.....	.....	.....	.....	16,150.00	.....	.....	.....
927.92	.....	13,743.66	3,866.37	.....	12,343.15	675.00	.....
73,177.54	12,265.15	139,090.65	19,126.01	558,203.78	90,354.95	26,849.44	19,219.50
.....	.....	3,842.02	1,883.88	13,026.44	516.24	912.94	.....
.....	.....	.....	3,000.00	.....	.....	.....	6,200.33
3,467.07	.....	10,734.07	1,716.62	58,044.88	7,272.97	1,189.97	2,137.81
355.73	.....	2,583.48	21.22	10,230.94	8,590.33	.....	294.38
.....	.....	.....	.....	91,644.64	.....	.....	.....
12,282.22	1,095.79	10,953.68	1,634.82	120,739.83	18,340.94	1,107.47	7,520.24
.....	.....	37.63	.....	.....	.....	.....	.....
89,282.56	13,360.94	167,241.53	27,382.55	851,890.51	125,075.43	30,059.82	35,372.26
.....	.....	.....	.....	.....	.....	.....	.....
89,282.56	13,360.94	167,241.53	27,382.55	851,890.51	125,075.43	30,059.82	35,372.26
31,946.77	616.60	88,504.87	16,738.60	412,000.00	29,424.24	24,290.86	5,004.20
3,757.45	3,853.55	8,504.57	993.16	1,625.17	2,164.73	1,173.73	.....
4,080.89	259.28	5,000.00	.....	.....	.....	.....	146.44
3,500.00	.....	1,060.00	.....	.....	.....	.....	8.32
43,285.11	4,729.43	103,069.44	17,731.76	413,625.17	31,588.97	25,464.59	5,158.96
12,282.22	1,095.79	10,953.68	1,634.82	120,739.83	18,340.94	1,107.47	7,520.24
8,312.86	280.08	14,912.66	550.45	111,842.11	18,557.44	852.17	2,835.19
.....	.....	213.00	.....	274.00	.....	.....	.....
20,595.08	1,375.87	26,079.34	2,185.27	232,855.94	36,898.38	1,959.64	10,355.43
3,488.13	4,383.40	14,495.13	1,801.67	43,800.00	16,807.76	1,709.14	995.80
.....	.....	.....	.....	91,644.64	.....	.....	.....
21,914.24	2,872.24	23,597.62	5,663.85	69,964.76	39,780.32	926.45	18,862.07
25,402.37	7,255.64	38,092.75	7,465.52	205,409.40	56,588.08	2,635.59	19,857.87
89,282.56	13,360.94	167,241.53	27,382.55	851,890.51	125,075.43	30,059.82	35,372.26
54.1	38.5	65.6	68.8	50.3	29.5	88.0	18.5

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Tecumseh	Thamesford P.V.	Thamesville	Thedford	Thorndale P.V.
Population	1,665		805	580	
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings			447.98		
Substation equipment					
Distribution system, overhead	22,329.40	5,870.15	6,704.33	7,319.53	2,660.12
Distribution system, underground					
Line transformers	4,976.70	2,129.72	2,960.81	1,233.74	1,145.40
Meters	6,410.16	1,713.11	3,004.55	1,685.88	1,193.06
Street lighting equipment, regular		176.85	990.19	843.20	86.49
Street lighting equip., ornamental	280.75				
Misc. construction expense	1,262.48	214.02	576.75	1,530.81	310.45
Steam or hydraulic plant					
Old plant			4,445.68	433.78	
Total plant	35,259.49	10,103.85	19,130.29	13,046.94	5,395.52
Bank and cash balance		1,199.87	918.08	1,891.10	753.93
Securities and investments		5,500.00	10,000.00	4,500.00	
Accounts receivable	1,889.15	278.43	1,554.18	18.17	815.28
Inventories					
Sinking fund on local debentures					
Equity in H.E.P.C. systems	2,092.40	4,241.44	3,199.31	1,379.66	2,709.02
Other assets					
Total assets	39,241.04	21,323.59	34,801.86	20,835.87	9,673.75
Deficit					
Total	39,241.04	21,323.59	34,801.86	20,835.87	9,673.75
LIABILITIES					
Debenture balance	23,351.31	3,369.07	8,003.71	14,537.79	2,020.74
Accounts payable	4,646.72			741.08	1,177.76
Bank overdraft					
Other liabilities	280.75				
Total liabilities	28,278.78	3,369.07	8,003.71	15,278.87	3,198.50
RESERVES					
For equity in H.E.P.C. systems	2,092.40	4,241.44	3,199.31	1,379.66	2,709.02
For depreciation	2,294.87	3,306.63	3,862.14	657.33	1,463.68
Other reserves					
Total reserves	4,387.27	7,548.07	7,061.45	2,036.99	4,172.70
SURPLUS					
Debentures paid	2,648.69	1,988.96	3,184.09	1,962.21	1,065.74
Local sinking fund					
Additional operating surplus	3,926.30	8,417.49	16,552.61	1,557.80	1,236.81
Total surplus	6,574.99	10,406.45	19,736.70	3,520.01	2,302.55
Total liabilities, reserves and surplus	39,241.04	21,323.59	34,801.86	20,835.87	9,673.75
Percentage of net debt to total assets	75.9	19.7	25.3	78.5	45.9

"A"—Continued

Hydro Municipalities as at December 31, 1925

Thorold 5,292	Tilbury 1,982	Tillsonburg 3,113	Toronto 538,771	Toronto Township 6,382	Trafalgar Township 3,727	Walkerville 8,088	Wallaceburg 4,530
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	969.46	2,224.27	2,796,831.13	4,375.23	.....	123,664.63	5,471.71
.....	.....	13,937.52	4,929,756.90	.....	.....	75,256.28	2,465.94
24,277.86	8,412.23	32,607.66	7,196,454.90	120,092.94	16,879.56	75,846.71	39,482.04
.....	.....	.....	2,440,227.17	.....	.....	.....	.....
8,843.45	5,875.51	9,684.95	1,731,328.14	23,230.89	5,432.85	47,177.88	26,192.01
15,558.00	4,857.68	11,710.23	1,917,283.58	17,767.20	2,683.01	43,924.54	15,687.03
1,814.01	418.03	2,782.69	403,696.40	2,208.00	.....	.....	2,273.65
.....	.....	510.67	.....	.....	.....	86,000.00	.....
4,720.87	1,179.48	1,220.92	3,294,977.42	809.59	1,423.03	33,420.17	7,251.75
18,040.24	.....	.....	.....	.....	.....	.....	.....
.....	3,049.47	.....	3,560,854.30	619.65	.....	18,335.05	20,941.07
73,254.43	24,761.86	74,678.91	28,271,409.94	169,103.50	26,418.45	503,625.26	119,765.20
5,228.79	4,905.88	2,934.35	633,142.08	.....	3,167.39	6,321.87	28,224.21
.....	13,000.00	20,000.00	.....	.....	.....	.....	.....
7,970.04	135.00	8,112.68	1,281,137.73	3,027.72	524.11	103,330.34	24,298.30
155.93	.....	2,062.39	1,077,784.48	.....	317.38	44,600.38	6,917.62
.....	.....	.....	3,203,288.18	.....	.....	.....	.....
9,370.67	7,793.95	22,035.00	3,043,476.05	11,576.82	.....	134,898.89	28,362.69
500.00	.....	.....	.....	.....	.....	1,222.11	.....
96,479.86	50,596.69	129,823.33	37,510,238.46	183,708.04	30,427.33	793,998.85	207,568.02
.....	.....	.....	.....	.....	.....	.....	.....
96,479.86	50,596.69	129,823.33	37,510,238.46	183,708.04	30,427.33	793,998.85	207,568.02
3,792.33	10,729.84	19,700.70	21,707,465.86	66,733.41	18,821.27	239,914.91	61,255.19
4,935.71	.....	2,326.00	1,546,716.22	2,724.31	.....	14,138.71	4,734.91
.....	.....	.....	.....	88.08	.....	.....	.....
1,181.50	.....	1,004.00	230,112.06	750.05	.....	94,637.50	432.00
9,909.54	10,729.84	23,030.70	23,484,294.14	70,295.85	18,821.27	348,691.12	66,422.10
9,370.67	7,793.95	22,035.00	3,043,476.05	11,576.82	.....	134,898.89	28,362.69
19,367.46	4,809.81	20,988.72	4,083,268.89	35,690.70	4,928.35	73,025.48	20,200.99
.....	.....	.....	1,020,048.19	.....	.....	.....	.....
28,738.13	12,603.76	43,023.72	8,146,793.13	47,267.52	4,928.35	207,924.37	48,563.68
1,207.67	3,270.16	16,299.30	1,405,534.14	12,266.59	605.14	59,344.09	10,281.39
.....	.....	.....	3,203,288.18	.....	.....	.....	.....
56,624.52	23,992.93	47,469.61	1,270,328.87	53,878.08	6,072.57	178,039.27	82,300.85
57,832.19	27,263.09	63,768.91	5,879,151.19	66,144.67	6,677.71	237,383.36	92,582.24
96,479.86	50,596.69	129,823.33	37,510,238.46	183,708.04	30,427.33	793,998.85	207,568.02
11.3	25.6	21.3	64.8	40.8	61.2	45.8	37.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Wards-ville	Waterdown	Waterford	Waterloo	Waterloo Township
Population	219	836	1,040	6,478	7,002
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	.....	200.00	.....	14,064.66	.....
Substation equipment	.....	.....	.....	52,967.19	.....
Distribution system, overhead	4,578.82	12,096.60	12,286.52	56,551.45	334.38
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	601.14	2,187.94	5,218.47	24,997.63	1,015.13
Meters	729.62	4,027.00	4,647.87	26,014.44	355.49
Street lighting equipment, regular	519.36	374.52	1,996.62	6,559.66	.....
Street lighting equip., ornamental	.....	.....	.....	5,676.54	.....
Misc. construction expense	488.73	112.34	442.53	5,909.03	33.88
Steam or hydraulic plant	.....	.....	.....	2,333.64	.....
Old plant	193.94	.....	607.69	24,527.03	.....
Total plant	7,111.61	18,998.40	25,199.70	219,601.27	1,738.88
Bank and cash balance	665.92	3,693.27	3,240.03	6,472.94	.....
Securities and investments	1,500.00	3,500.00	3,000.00	.....	.....
Accounts receivable	9.19	3,552.02	32.25	9,686.88	.....
Inventories	.....	39.00	23.98	5,119.89	.....
Sinking fund on local debentures	.....	.....	.....	4,608.00	.....
Equity in H.E.P.C. systems	408.53	6,237.88	5,280.58	49,970.35	.....
Other assets	.....	.....	.....	.....	.....
Total assets	9,695.25	36,020.57	36,776.54	295,459.33	1,738.88
Deficit	.....	.....	.....	.....	.....
Total	9,695.25	36,020.57	36,776.54	295,459.33	1,738.88
LIABILITIES					
Debenture balance	6,610.96	3,016.23	.....	83,331.10	.....
Accounts payable	273.66	190.47	763.36	2,399.41	1,738.88
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	.....	54.75	.....	.....
Total liabilities	6,884.62	3,206.70	818.11	85,730.51	1,738.88
RESERVES					
For equity in H.E.P.C. systems	408.53	6,237.88	5,280.58	49,970.35	.....
For depreciation	518.00	11,456.09	4,221.45	59,128.09	.....
Other reserves	.....	.....	.....	.....	.....
Total reserves	926.53	17,693.97	9,502.03	109,098.44	.....
SURPLUS					
Debentures paid	951.44	4,983.77	7,745.53	22,668.90	.....
Local sinking fund	.....	.....	.....	4,608.00	.....
Additional operating surplus	932.66	10,136.13	18,710.87	73,353.48	.....
Total surplus	1,884.10	15,119.90	26,456.40	100,630.38	.....
Total liabilities, reserves and surplus	9,695.25	36,020.57	36,776.54	295,459.33	1,738.88
Percentage of net debt to total assets	74.1	10.7	2.6	33.7	100.0

"A"—Continued

Hydro Municipalities as at December 31, 1924

Watford 1,023	Welland 8,705	Wellesley P.V.	West Lorne 772	Weston 3,96	Wheatley 693	Windsor 47,177	Wood-bridge 713
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	28,056.84	.....	.....	3,731.07	.....	170,382.03	.....
.....	49,968.94	.....	.....	28,249.09	.....	354,752.39	.....
11,341.64	109,051.26	5,399.92	10,940.64	31,037.79	8,734.36	513,156.14	10,199.23
.....	.....	.....	.....	.....	.....	.....	.....
3,487.36	40,299.52	2,153.50	4,738.99	25,797.27	1,709.64	235,630.44	3,378.12
4,252.47	39,581.22	1,842.80	2,568.23	15,891.47	2,081.00	238,355.72	3,043.63
609.48	3,968.99	545.11	567.97	7,598.88	547.67	33,061.56	407.26
.....	.....	.....	.....	20,680.13	.....	372,302.71	.....
1,327.20	9,989.96	128.57	347.14	6,112.46	486.58	97,561.64	642.82
.....	.....	.....	.....	.....	.....	.....	.....
657.44	54,183.06	.....	1,250.00	.....	2,569.50	114,609.06	.....
21,675.59	335,099.79	10,069.90	20,412.97	139,098.16	16,128.75	2,129,811.69	17,671.06
1,585.17	4,203.69	1,580.94	1,488.29	14,420.88	216.38	275.00	2,717.52
4,000.00	.....	.....	2,848.42	.....	.....	.....	5,000.00
1,397.75	101,972.03	.....	.....	6,981.11	2,184.08	221,247.12	124.49
320.66	4,455.45	.....	.....	476.00	.....	110,645.83	4.75
.....	47,964.71	.....	.....	.....	.....	72,681.41	.....
3,020.29	45,240.63	4,408.97	6,360.18	46,046.47	999.93	298,020.41	7,072.86
.....	.....	.....	.....	.....	.....	2,283.73	.....
31,999.46	538,936.30	16,059.81	31,109.86	207,022.62	19,529.14	2,834,965.19	32,590.68
.....	54,116.07	.....	.....	.....	.....	.....	.....
31,999.46	593,052.37	16,059.81	31,109.86	207,022.62	19,529.14	2,834,965.19	32,590.68
6,307.42	268,686.79	5,157.13	6,837.20	58,644.31	12,233.83	1,240,794.54	6,989.10
41.64	84,043.30	187.89	1,617.21	837.30	.....	60,148.16	1,059.03
.....	4,764.72	.....	.....	.....	.....	62,678.06	.....
.....	1,742.50	.....	.....	.....	.....	400,398.21	.50
6,349.06	359,237.31	5,345.02	8,454.41	59,481.61	12,233.83	1,764,018.97	8,048.63
3,020.29	45,240.63	4,408.97	6,360.18	46,046.47	999.93	298,020.41	7,072.86
2,848.37	72,942.56	478.00	2,348.62	26,787.51	322.00	149,484.56	4,511.20
.....	61,353.95	.....	.....	.....	.....	2,283.73	.....
5,868.66	179,537.14	4,886.97	8,708.80	72,833.98	1,321.93	449,788.70	11,584.06
3,405.79	6,313.21	2,342.87	1,162.80	11,388.13	766.17	149,205.49	1,510.87
.....	47,964.71	.....	.....	.....	.....	72,681.41	.....
16,375.95	.....	3,484.95	12,783.85	63,318.90	5,207.21	399,270.62	11,447.12
19,781.74	54,277.92	5,827.82	13,946.65	74,707.03	5,973.38	621,157.52	12,957.99
31,999.46	593,052.37	16,059.81	31,109.86	207,022.62	19,529.14	2,834,965.19	32,590.68
21.9	69.8	45.3	34.1	36.9	66.0	63.5	31.5

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Concluded

Municipality	Woodstock	Wyoming	York Township	*E. York Township	N. York Township
Population	10,197	504	43,121	20,290	7,187
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	29,075.01	.....	.....	138.03	5,066.39
Substation equipment	59,242.66	.....	.....	8,382.00	.....
Distribution system, overhead	82,189.66	6,709.78	467,035.93	185,587.39	105,622.31
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	42,852.08	820.75	.....	33,806.83	17,349.56
Meters	43,611.13	1,620.81	.....	78,630.17	13,455.21
Street lighting equipment, regular	10,699.09	275.52	27,512.16	10,624.70	.....
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	17,101.05	805.20	19,070.96	9,326.69	5,275.32
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	13,811.22	.....	.....	.....	.....
Total plant	298,581.90	10,232.06	513,619.05	326,495.81	146,768.79
Bank and cash balance	17,396.24	462.28	81,605.85	54,779.92	5,686.50
Securities and investments	.....	.....	.....	.....	.....
Accounts receivable	7,173.65	795.95	117,490.66	20,861.72	5,452.91
Inventories	3,130.00	.....	.....	3,054.79	206.50
Sinking fund on local debentures	29,447.94	.....	.....	.....	.....
Equity in H.E.P.C. systems	69,489.55	1,654.66	.....	3,728.25	3,131.88
Other assets	2,050.00	.....	18,943.87	2,715.60	.....
Total assets	427,269.28	13,144.95	731,659.43	411,636.09	161,246.58
Deficit	.....	315.04	.....	.....	.....
Total	427,269.28	13,459.99	731,659.43	411,636.09	161,246.58
LIABILITIES					
Debenture balance	84,558.13	6,567.52	563,434.62	357,067.78	65,874.48
Accounts payable	414.99	.....	29,049.79	27,761.59	77,794.50
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	1,786.73	.....	.....	7,466.10	1,212.60
Total liabilities	86,759.85	6,567.52	592,484.41	392,295.47	144,881.58
RESERVES					
For equity in H.E.P.C. systems	69,489.55	1,654.66	.....	3,728.25	3,131.88
For depreciation	65,829.70	.....	45,044.53	2,882.70	6,583.53
Other reserves	2,050.00	2,105.33	.....	.....	.....
Total reserves	137,369.25	3,759.99	45,044.53	6,610.95	9,715.41
SURPLUS					
Debentures paid	42,827.50	3,132.48	36,565.38	.....	4,125.52
Local sinking fund	29,447.94	.....	.....	.....	.....
Additional operating surplus	130,864.74	.....	57,565.11	12,729.67	2,524.07
Total surplus	203,140.18	3,132.48	94,130.49	12,729.67	6,649.59
Total liabilities, reserves and surplus	427,269.28	13,459.99	731,659.43	411,636.09	161,246.58
Percentage of net debt to total assets	17.4	57.1	80.9	96.1	91.6

*5 months operation only.

"A"—Continued

Hydro Municipalities as at December 31, 1925

			GEORGIAN BAY SYSTEM		
N. York Township Area No. 2	Zurich P.V.	NIAGARA SYSTEM SUMMARY	Alliston 1,349	Arthur 1,156	Barrie 7,216
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	5,167,771.94	.....	.....	14,198.21
.....	.....	7,902,728.27	675.73	.....	5,615.98
12,527.19	6,445.12	14,384,413.08	21,393.18	16,212.06	40,207.33
.....	.....	2,959,053.43	.....	.....	66,545.81
.....	1,598.15	4,355,993.65	5,204.95	3,841.78	19,466.05
.....	1,796.15	4,673,320.12	5,250.59	2,942.17	30,520.14
.....	429.36	992,449.94	1,417.38	704.17	5,321.09
.....	.....	822,451.20	.....	.....	6,573.69
1,129.95	240.77	4,167,767.41	2,557.52	255.62	900.00
.....	.....	36,730.13	.....	.....	.....
.....	150.00	4,284,058.25	8,146.49	1,086.62	41,407.61
13,657.14	10,659.55	49,746,737.42	44,645.84	25,042.42	230,755.91
.....	.....	1,375,783.96	.....	332.99	.....
.....	4,000.00	399,854.27	.....	.....	11,120.55
4,434.49	595.40	3,048,337.43	609.35	3,279.94	10,827.78
.....	.....	1,609,279.48	.....	.....	1,340.99
.....	.....	4,387,574.63	.....	.....	.....
.....	2,543.20	7,060,669.48	3,177.39	5,481.74	31,564.34
.....	.....	115,821.19	21.33	.....	.....
18,091.63	17,798.15	67,744,057.86	48,453.91	34,137.09	285,609.57
.....	.....	58,903.84	4,666.09	12,841.32	.....
18,091.63	17,798.15	67,802,961.70	53,120.00	46,978.41	285,609.57
17,021.87	4,909.78	34,071,908.22	35,040.72	18,290.38	22,580.59
.....	248.50	2,782,518.54	2,254.76	14,150.36	15,284.96
.....	523.61	198,313.24	672.08	.....	12,844.29
623.95	.....	1,071,236.12	2.75	2.00	700.00
17,645.82	5,681.89	38,123,976.12	37,970.31	32,442.74	51,409.84
.....	2,543.20	7,060,669.48	3,177.39	5,481.74	31,564.34
314.00	1,733.42	7,352,940.67	7,013.02	6,344.31	36,643.40
.....	.....	1,105,226.95	.....	.....	.....
314.00	4,276.62	15,518,837.10	10,190.41	11,826.05	68,207.74
.....	681.83	3,525,836.22	4,959.28	2,709.62	64,419.41
.....	.....	4,387,574.63	.....	.....	.....
131.81	7,157.81	6,246,737.63	.....	.....	101,572.58
131.81	7,839.64	14,160,148.48	4,959.28	2,709.62	165,991.99
18,091.63	17,798.15	67,802,961.70	53,120.00	46,978.41	285,609.57
97.5	37.2	59.9	83.8	113.5	20.2

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Beaverton	Beeton	Bradford	Brechin P.V.	Canning-ton
Population	924	561	986		919
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	299.50				
Substation equipment		428.50	388.50		
Distribution system, overhead	15,337.02	11,244.12	15,235.65	1,532.82	8,732.54
Distribution system, underground					
Line transformers	4,415.55	1,960.45	1,362.34	936.80	2,465.25
Meters	4,674.87	1,470.44	2,432.78	451.37	3,214.35
Street lighting equipment, regular	842.19	1,138.14	544.95	118.36	590.55
Street lighting equip., ornamental					
Misc. construction expense	2,303.56	1,432.19	1,691.36	546.92	559.63
Steam or hydraulic plant					
Old plant	3,772.42				3,609.37
Total plant	31,645.11	17,673.84	21,655.58	3,586.27	19,171.69
Bank and cash balance	4,046.28		29.33	209.38	2,614.07
Securities and investments					
Accounts receivable	5,617.82	87.51	1,265.48	2,189.12	1,648.90
Inventories	249.73			131.25	370.14
Sinking fund on local debentures					
Equity in H.E.P.C. systems	8,193.31	2,878.98	2,774.13	3,626.83	6,227.32
Other assets					
Total assets	49,752.25	20,640.33	25,724.52	9,742.85	30,032.12
Deficit		5,845.47	7,303.19	1,805.06	
Total	49,752.25	26,485.80	33,027.71	11,547.91	30,032.12
LIABILITIES					
Debenture balance	11,604.25	13,161.77	17,349.15	2,812.69	12,015.16
Accounts payable	160.71	5,615.64	7,171.15	3,743.10	205.88
Bank overdraft		7.81			
Other liabilities					10.00
Total liabilities	11,764.96	18,785.22	24,520.30	6,555.79	12,231.04
RESERVES					
For equity in H.E.P.C. systems	8,193.31	2,878.98	2,774.13	3,626.83	6,227.32
For depreciation	5,184.57	2,983.37	3,882.43	967.06	4,069.25
Other reserves					
Total reserves	13,377.88	5,862.35	6,656.56	4,593.89	10,296.57
SURPLUS					
Debentures paid	3,395.75	1,838.23	1,850.85	398.23	2,984.84
Local sinking fund					
Additional operating surplus	21,213.66				4,519.67
Total surplus	24,609.41	1,838.23	1,850.85	398.23	7,504.51
Total liabilities, reserves and surplus	49,752.25	26,485.80	33,027.71	11,547.91	30,032.12
Percentage of net debt to total assets	28.3	105.7	106.8	107.2	51.4

"A"—Continued

Hydro Municipalities as at December 31, 1925

Chatsworth 285	Chesley 1,720	Coldwater 600	Collingwood 6,796	Cookstown P.V.	Creemore 657	Dundalk 690	Durham 1,580
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
65.00	.....	275.00	14,522.84	60.00	.....	.....	.....
.....	595.98	.....	11,203.24	392.95	.....	.....	584.88
3,848.27	18,076.57	7,062.69	41,629.41	8,699.65	5,562.32	6,372.54	17,023.74
.....	.....	.....	.....	.....	.....	.....	.....
919.44	4,214.44	2,885.64	12,641.22	1,811.45	1,439.11	2,160.58	5,855.75
850.35	5,255.78	2,142.04	19,581.95	1,360.29	2,054.17	1,620.75	4,023.79
309.78	1,017.36	399.16	2,813.56	514.21	272.07	666.39	1,108.85
.....	.....	.....	.....	.....	.....	.....	.....
385.90	3,345.16	145.03	8,169.15	1,499.15	185.41	228.69	1,059.82
.....	.....	.....	.....	.....	.....	.....	.....
.....	5,503.60	.....	473.20	.....	2,651.15	380.94	1,506.51
6,378.74	38,008.89	12,909.56	111,034.57	14,337.70	12,164.23	11,429.89	31,163.34
1,604.92	6,373.65	1,417.40	8,680.70	1,675.19	4,398.72	267.55	2,028.22
.....	.....	6,000.00	32,000.00	.....	5,000.00	6,000.00	13,000.00
105.61	2,733.40	1,153.31	7,902.78	103.79	117.01	1,090.68	2,631.89
.....	45.00	.....	989.71	.....	.....	95.00	.....
1,452.82	.....	.....	.....	.....	.....	.....	.....
1,161.54	7,804.59	3,125.67	52,128.09	875.94	3,455.76	2,983.03	8,283.97
.....	.....	.....	.....	.....	.....	.....	.....
10,703.63	54,965.53	24,605.94	212,735.85	16,992.62	25,135.72	21,866.15	57,107.42
.....	.....	.....	.....	929.46	.....	.....	.....
10,703.63	54,965.53	24,605.94	212,735.85	17,922.08	25,135.72	21,866.15	57,107.42
5,134.47	17,893.97	5,416.46	15,260.16	11,424.44	3,854.63	3,155.41	16,991.19
0.05	.....	1,180.44	16,254.74	952.36	918.08	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	1,265.04	.....	.....	.....	.....
5,134.52	17,893.97	6,596.90	32,779.94	12,376.80	4,772.71	3,155.41	16,991.19
1,161.54	7,804.59	3,125.67	52,128.09	875.94	3,455.76	2,983.03	8,283.97
1,577.57	7,652.43	4,784.35	32,430.97	2,593.78	2,955.56	2,695.62	6,199.81
.....	.....	.....	.....	.....	.....	.....	.....
2,739.11	15,457.02	7,910.02	84,559.06	3,469.72	6,411.32	5,678.65	14,483.78
265.53	9,606.03	1,583.54	27,344.43	2,075.56	2,645.37	3,181.49	8,808.81
1,452.82	.....	.....	.....	.....	.....	.....	.....
1,111.65	12,008.51	8,515.48	68,052.42	.....	11,306.32	9,850.60	16,823.64
2,830.00	21,614.54	10,099.02	95,396.85	2,075.56	13,951.69	13,032.09	25,632.45
10,703.63	54,965.53	24,605.94	212,735.85	17,922.08	25,135.72	21,866.15	57,107.42
45.5	37.9	30.7	20.4	76.8	22.0	16.7	34.8

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Elmvale P.V.	Elmwood P.V.	Flesherton	Grand Valley	Graven-hurst
Population			482	654	1,751
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	106.25	.....	.....	36.50	12,952.29
Substation equipment	.....	.....	.....	.....	12,554.25
Distribution system, overhead	7,208.15	4,778.39	4,819.19	9,480.78	27,908.78
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	2,925.04	803.88	497.18	1,384.52	2,079.67
Meters	2,455.12	756.34	1,000.55	1,992.50	5,653.83
Street lighting equipment, regular	388.77	302.28	384.61	458.21	695.45
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	510.13	1,093.62	887.26	205.70	1,617.00
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	.....	.....	.....	919.85	7,610.69
Total plant	13,593.46	7,734.51	7,588.79	14,478.06	71,071.96
Bank and cash balance	2,736.21	1,390.05	488.48	486.69	7,856.27
Securities and investments	3,000.00	.....	.....	3,781.77	.....
Accounts receivable	204.83	159.25	448.18	2,375.47	4,490.27
Inventories	109.07	.....	.....	.....	1,626.05
Sinking fund on local debentures	.....	198.24	.....	.....	3,984.03
Equity in H.E.P.C. systems	5,461.92	525.53	1,647.37	2,868.84	4,315.71
Other assets	.....	.....	.....	.....	.....
Total assets	25,105.49	10,007.58	10,172.82	23,990.83	93,344.29
Deficit	.....	298.78	325.31	.....	.....
Total	25,105.49	10,306.36	10,498.13	23,990.83	93,344.29
LIABILITIES					
Debenture balance	5,133.75	5,429.30	5,471.53	7,563.75	29,986.90
Accounts payable	1,506.49	1,146.55	30.84	540.43	23.60
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	.....	.....	.....	.....	.....
Total liabilities	6,640.24	6,575.85	5,502.37	8,104.18	30,010.50
RESERVES					
For equity in H.E.P.C. systems	5,461.92	525.53	1,647.37	2,868.84	4,315.71
For depreciation	4,605.42	1,236.04	2,119.92	3,256.65	14,284.85
Other reserves	.....	.....	.....	.....	.....
Total reserves	10,067.34	1,761.57	3,767.29	6,125.49	18,600.56
SURPLUS					
Debentures paid	1,866.25	1,770.70	1,228.47	3,436.25	33,981.54
Local sinking fund	.....	198.24	.....	.....	3,984.03
Additional operating surplus	6,531.66	.....	.....	6,324.91	6,767.66
Total surplus	8,397.91	1,968.94	1,228.47	9,761.16	44,733.23
Total liabilities, reserves and surplus	25,105.49	10,306.36	10,498.13	23,990.83	93,344.29
Percentage of net debt to total assets	33.8	68.7	64.5	38.3	30.6

"A"—Continued

Hydro Municipalities as at December 31, 1925

Hanover 2,852	Holstein P.V.	Hunts-ville 2,460	Kincardine 2,036	Kirkfield P.V.	Lucknow 921	Markdale 922	Meaford 2,653
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,648.36	.....	326.49	4,493.41	.....	.....	.....	1,102.93
9,271.19	.....	647.30	2,895.47	.....	.....	780.80	2,484.99
45,946.91	2,054.15	12,066.41	35,331.29	5,041.33	14,604.67	8,102.59	25,669.40
.....	.....	.....	.....	.....	.....	.....	.....
14,831.05	455.22	3,609.60	6,362.42	428.20	2,381.35	2,457.10	6,011.79
12,653.30	423.67	6,388.36	6,727.50	463.15	2,890.92	2,120.20	5,471.25
2,326.30	168.69	1,868.65	3,791.43	379.00	1,040.95	1,015.17	2,184.08
.....	.....	.....	.....	.....	.....	.....	.....
6,347.62	205.93	489.92	5,527.15	301.83	2,099.08	562.89	2,322.39
.....	.....	.....	.....	.....	.....	.....	.....
2,370.91	.....	5,436.20	.....	.....	.....	2,080.65	3,139.50
96,395.64	3,307.66	30,832.93	65,128.67	6,613.21	23,016.97	17,119.40	48,386.33
6,344.41	333.45	10,079.47	315.07	289.82	735.76	352.96	5,075.94
17,000.00	.....	.....	.....	.....	2,000.00	1,500.00	14,000.00
2,553.59	584.03	1,986.13	250.91	160.18	1,907.12	972.80	3,700.31
.....	54.81	1,966.30	887.32	.....	.....	302.02	.....
.....	.....	.....	.....	.....	.....	.....	.....
25,618.17	945.22	13,480.68	2,662.56	759.47	1,277.50	1,915.65	1,590.39
.....	.....	.....	.....	523.10	.....	.....	.....
147,911.81	5,225.17	58,345.51	69,244.53	8,345.78	28,937.35	22,162.83	72,752.97
.....	4,660.01	.....	7,600.40	426.78	.....	.....	.....
147,911.81	9,885.18	58,345.51	76,844.93	8,772.56	28,937.35	22,162.83	72,752.97
68,739.98	1,654.30	12,359.60	52,053.21	5,080.60	17,189.87	7,499.89	49,360.20
.....	5,617.90	2,243.92	5,535.83	1,350.90	2,483.17	726.51	15.00
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	7.25	.....	72.00
68,739.98	7,272.20	14,603.52	57,589.04	6,431.50	19,680.29	8,226.40	49,447.20
25,618.17	945.22	13,480.68	2,662.56	759.47	1,277.50	1,915.65	1,590.39
16,421.58	560.01	6,199.86	4,446.54	662.19	1,611.08	3,508.45	1,633.88
.....	.....	.....	.....	.....	.....	.....	.....
42,039.75	1,505.23	19,680.54	7,109.10	1,421.66	2,888.58	5,424.10	3,224.27
18,760.02	1,107.75	8,773.94	12,146.79	919.40	2,533.49	1,500.11	.....
.....	.....	.....	.....	.....	.....	.....	.....
18,372.06	.....	15,287.51	.....	.....	3,834.99	7,012.22	20,081.50
37,132.08	1,107.75	24,061.45	12,146.79	919.40	6,368.48	8,512.33	20,081.50
147,911.81	9,885.18	58,345.51	76,844.93	8,772.56	28,937.35	22,162.83	72,752.97
56.2	169.9	32.5	86.5	84.6	71.1	40.6	69.5

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Midland	Mount Forest	Neustadt	Orangeville	Owen Sound
Population	7,346	1,755	473	2,656	11,935
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	18,901.76	3,725.00	.....	2,585.07	28,953.74
Substation equipment	65,233.46	686.75	.....	1,169.00	11,999.17
Distribution system, overhead	82,757.58	18,661.02	9,770.48	23,444.41	86,188.58
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	15,797.72	3,881.76	4,243.29	3,621.93	31,306.27
Meters	29,791.10	4,842.23	1,781.30	6,560.85	47,035.30
Street lighting equipment, regular	5,804.02	2,216.22	496.41	1,149.67	11,632.38
Street lighting equip., ornamental	8,555.63	.....	.....	.....	500.00
Misc. construction expense	9,040.73	2,048.28	1,495.88	3,406.09	2,036.30
Steam or hydraulic plant	.....	.....	.....	.....	33,282.00
Old plant	14,315.62	3,958.97	1,097.60	3,204.99	.....
Total plant	250,197.62	40,020.23	18,884.96	45,142.01	252,933.74
Bank and cash balance	4,253.94	363.81	774.48	63.48	6,031.10
Securities and investments	.....	4,000.00	.....	.....	.....
Accounts receivable	21,162.98	1,602.42	1,449.94	4,301.64	6,156.35
Inventories	6,531.62	47.70	51.37	343.57	9,126.09
Sinking fund on local debentures	.....	.....	.....	.....	80,295.68
Equity in H.E.P.C. systems	59,108.00	7,768.00	2,239.36	7,676.61	40,894.17
Other assets	8,743.97	.....	.....	.....	4,288.34
Total assets	349,998.13	53,802.16	23,400.01	57,527.31	399,725.47
Deficit	.....	.....	4,991.47	2,148.48	.....
Total	349,998.13	53,802.16	28,391.48	59,675.79	399,725.47
LIABILITIES					
Debenture balance	69,428.52	19,573.72	13,371.99	24,033.54	95,000.00
Accounts payable	27,510.61	1,564.51	6,089.17	6,422.93	5,739.41
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	89.00	.....	.....	.....	690.90
Total liabilities	97,028.13	21,138.23	19,461.16	30,456.47	101,430.31
RESERVES					
For equity in H.E.P.C. systems	59,108.00	7,768.00	2,239.26	7,676.61	40,894.17
For depreciation	51,466.75	8,141.84	3,063.05	9,676.25	36,979.20
Other reserves	.....	.....	.....	.....	4,104.57
Total reserves	110,574.75	15,909.84	5,302.31	17,352.86	81,977.94
SURPLUS					
Debentures paid	42,641.47	11,384.88	3,628.01	11,866.46	46,000.00
Local sinking fund	.....	.....	.....	.....	80,295.68
Additional operating surplus	99,753.78	5,369.21	.....	.....	90,021.54
Total surplus	142,395.25	16,754.09	3,628.01	11,866.46	216,317.22
Total liabilities, reserves and surplus	349,998.13	53,802.16	28,391.48	59,675.79	399,725.47
Percentage of net debt to total assets	33.4	45.9	91.9	61.0	7.6

"A"—Continued

Hydro Municipalities as at December 31, 1925

Paisley 793	Penetang-uishene 3,868	Port McNicoll 630	Port Perry 1,150	Priceville P.V.	Ripley P.V.	Shel-burne 1,120	Stayner 966
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	2,151.00	202.60	.....	68.00	.....	800.00	.....
.....	4,040.66	.....	.....	.....	.....	566.60	200.00
9,873.67	36,786.25	6,595.05	15,613.94	4,625.00	8,803.72	13,280.65	9,808.26
.....	.....	.....	.....	.....	.....	.....	.....
1,330.99	13,003.13	755.23	2,319.41	549.70	2,705.98	3,438.48	3,417.66
2,006.17	12,095.54	1,622.83	2,517.03	337.65	698.26	4,081.42	3,521.20
1,037.03	2,517.90	190.73	1,030.40	139.88	850.83	999.40	797.47
.....	.....	.....	.....	.....	.....	.....	.....
668.75	2,457.75	496.42	62.53	833.90	1,164.99	2,189.46	310.33
.....	.....	.....	.....	.....	.....	.....	.....
1,745.00	2,124.20	.....	.....	.....	.....	739.50	4,132.41
16,661.61	75,176.43	9,862.86	21,543.31	6,554.13	14,223.78	26,095.51	22,187.33
1,243.61	17,808.55	580.84	20.00	13.17	588.23	497.21	2,250.43
1,500.00	.....	.....	11,946.66	.....	.....	3,000.00	7,000.00
1,622.49	6,674.80	84.77	621.86	.98	51.84	2,327.94	43.52
.....	1,170.05	11.96	.....	.....	.....	.....	26.82
.....	.....	.....	.....	.....	.....	.....	.....
734.35	25,406.08	1,424.76	1,272.34	132.97	686.58	4,459.59	4,992.72
.....	.....	.....	.....	.....	.....	.....	.....
21,762.06	126,235.91	11,965.19	35,404.17	6,701.25	15,550.43	36,380.25	36,500.82
.....	.....	.....	.....	2,208.98	1,092.48	.....	.....
21,762.06	126,235.91	11,965.19	35,404.17	8,910.23	16,642.91	36,380.25	36,500.82
15,057.02	28,753.54	5,247.36	19,881.66	5,748.70	12,902.38	13,247.62	8,311.05
.....	3,137.50	469.07	396.90	1,303.26	1,016.82	.....	1,302.49
.....	.....	.....	646.54	.....	.....	.....	.....
4.00	.....	.....	12.50	.....	.....	.....	2.00
15,061.02	31,891.04	5,716.43	20,937.60	7,051.96	13,919.20	13,247.62	9,615.54
734.35	25,406.08	1,424.76	1,272.34	132.97	686.58	4,459.59	4,992.72
558.50	22,390.47	2,059.44	1,249.00	474.00	967.57	5,629.19	5,239.98
.....	.....	.....	.....	.....	.....	.....	.....
1,292.85	47,796.55	3,484.20	2,521.34	606.97	1,654.15	10,088.78	10,232.70
942.98	12,246.46	2,052.64	.....	1,251.30	1,069.56	6,672.38	5,688.95
.....	.....	.....	.....	.....	.....	.....	.....
4,465.21	34,301.86	711.92	11,945.23	.....	.....	6,371.47	10,963.63
5,408.19	46,548.32	2,764.56	11,945.23	1,251.30	1,069.56	13,043.85	16,652.58
21,762.06	126,235.91	11,965.19	35,404.17	8,910.23	16,642.91	36,380.25	36,500.82
71.6	31.6	54.2	61.3	107.3	93.6	41.5	30.5

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY SYSTEM

Municipality	Sunderland P.V.	Tara	Teeswater	Thornton P.V.	Tottenham
Population		490	802		523
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings					
Substation equipment			330.31		358.50
Distribution system, overhead	3,592.54	10,520.87	14,430.73	6,379.63	7,890.77
Distribution system, underground					
Line transformers	1,454.65	1,706.89	2,689.75	860.41	1,117.48
Meters	1,609.92	1,289.63	2,323.11	536.40	1,571.37
Street lighting equipment, regular	263.19	430.59	1,305.07	375.90	460.17
Street lighting equip., ornamental					
Misc. construction expense	142.22	1,243.96	1,733.50	300.35	1,265.68
Steam or hydraulic plant					
Old plant	2,030.00		4,976.86		311.45
Total plant	9,092.52	15,191.94	27,789.33	8,452.69	12,975.42
Bank and cash balance	305.28	1,669.09	959.50	545.76	625.19
Securities and investments					
Accounts receivable	618.74	623.15	154.87		177.87
Inventories		13.97			
Sinking fund on local debentures			3,927.09		
Equity in H.E.P.C. systems	4,703.32	1,577.07	1,345.44	531.36	1,643.39
Other assets					
Total assets	14,719.86	19,075.22	34,176.23	9,529.81	15,421.87
Deficit	83.18	6,748.48	3,100.77	4,514.44	4,894.74
Total	14,803.04	25,823.70	37,277.00	14,044.25	20,316.61
LIABILITIES					
Debenture balance	5,126.11	11,798.35	25,502.72	6,187.06	10,213.45
Accounts payable	1,382.88	5,820.03	2,991.43	4,336.89	3,692.55
Bank overdraft					
Other liabilities					
Total liabilities	6,508.99	17,618.38	28,494.15	10,523.95	13,906.00
RESERVES					
For equity in H.E.P.C. systems	4,703.32	1,577.07	1,345.44	531.36	1,643.39
For depreciation	1,916.84	2,926.60	1,013.04	1,676.00	2,013.57
Other reserves					
Total reserves	6,620.16	4,503.67	2,358.48	2,207.36	3,656.96
SURPLUS					
Debentures paid	1,673.89	3,701.65	2,497.28	1,312.94	2,753.65
Local sinking fund			3,927.09		
Additional operating surplus					
Total surplus	1,673.89	3,701.65	6,424.37	1,312.94	2,753.65
Total liabilities, reserves and surplus	14,803.04	25,823.70	37,277.00	14,044.25	20,316.61
Percentage of net debt to total assets	64.9	100.7	85.0	117.	100.2

"A"—Continued

Hydro Municipalities as at December 31, 1925

Uxbridge 2,129	Victoria Harbour 1,454	Waubaushene P.V.	Wingham 2,440	Woodville 447	GEORGIAN BAY SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	.....	.....	8,508.05	.....	116,982.00
.....	.....	.....	4,699.84	.....	137,804.05
11,142.74	7,069.13	3,710.89	31,914.65	2,189.60	866,232.11
.....	.....	.....	.....	.....	66,545.81
2,506.66	1,090.25	684.19	12,179.83	1,053.77	227,523.25
2,740.94	2,134.36	1,142.37	8,854.10	1,469.13	277,404.73
1,207.91	319.62	164.14	3,107.97	127.31	69,406.01
.....	.....	.....	.....	.....	15,629.32
793.42	642.64	257.66	4,031.62	251.91	84,309.70
.....	.....	.....	13,200.00	.....	46,482.00
.....	.....	.....	12,551.68	2,182.50	143,466.49
18,391.67	11,256.00	5,959.25	99,047.74	7,274.22	2,051,785.47
1,188.68	2,964.62	2,380.04	30.00	1,658.89	116,978.88
8,000.00	.....	.....	12,000.00	2,000.00	163,848.98
2,833.65	.....	.....	4,372.96	1,044.64	117,084.85
.....	.....	.....	2,774.39	.....	28,264.93
.....	.....	.....	.....	.....	89,857.86
1,412.95	1,930.21	1,041.35	3,425.54	5,019.14	386,236.84
50.00	.....	.....	.....	.....	13,626.74
31,876.95	16,150.83	9,380.64	121,650.63	16,996.89	2,967,684.55
.....	.....	.....	.....	.....	76,484.89
31,876.95	16,150.83	9,380.64	121,650.63	16,996.89	3,044,169.44
16,207.59	4,099.88	2,245.89	63,151.73	4,351.13	958,949.33
60.88	345.49	387.80	4,436.12	81.59	167,601.70
.....	.....	.....	475.00	.....	14,645.72
.....	.....	.....	15.00	.....	2,872.44
16,268.47	4,445.37	2,633.69	68,077.85	4,432.72	1,144,069.19
1,412.95	1,930.21	1,041.35	3,425.54	5,019.14	386,236.84
1,008.93	2,494.95	1,243.41	8,801.73	1,249.28	360,763.56
.....	.....	.....	.....	.....	4,104.57
2,421.88	4,425.16	2,284.76	12,227.27	6,268.42	751,104.97
.....	2,400.12	1,254.11	32,953.77	1,148.87	421,233.05
.....	.....	.....	.....	.....	89,857.86
13,186.60	4,880.18	3,208.08	8,391.74	5,146.88	637,904.37
13,186.60	7,280.30	4,462.19	41,345.51	6,295.75	1,148,995.28
31,876.95	16,150.83	9,380.64	121,650.63	16,996.89	3,044,169.44
53.	31.3	31.6	57.6	37.0	42.3

STATEMENT

Balance Sheets of Electrical Departments of

ST. LAWRENCE SYSTEM

Municipality	Alexandria	Apple Hill P.V.	Brockville	Chesterville	Lancaster
Population	2,217		9,202	1,010	585
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	202.00	169.06	27,994.53	250.00	.....
Substation equipment	.....	.....	53,936.51	.....	.....
Distribution system, overhead	26,721.06	2,747.75	66,029.38	6,567.69	6,096.15
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	8,032.78	1,165.70	22,629.24	2,399.80	962.35
Meters	6,119.76	742.80	31,821.84	3,047.43	1,199.95
Street lighting equipment, regular	2,014.34	398.97	16,183.38	496.35	575.05
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	5,435.33	192.84	5,344.30	610.68	1,053.60
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	4,466.89	709.55	.....	.....	.....
Total plant	52,992.16	6,126.67	223,939.18	13,371.95	9,887.10
Bank and cash balance	1,918.31	329.52	41,296.91	4,242.16	354.03
Securities and investments	.....	.....	55,670.71	4,000.00	.....
Accounts receivable	2,301.80	575.00	24,107.32	1,743.35	120.61
Inventories	50.00	.....	3,831.19	869.47	.....
Sinking fund on local debentures	.....	.....	75,753.27	.....	.....
Equity in H.E.P.C. systems	4,921.18	425.18	42,685.31	10,287.93	916.56
Other assets	.....	.....	.....	.....	.....
Total assets	62,183.45	7,456.37	467,283.89	34,514.86	11,278.30
Deficit	496.26	74.52	.....	.....	8,473.37
Total	62,679.71	7,530.89	467,283.89	34,514.86	19,751.67
LIABILITIES					
Debenture balance	37,768.51	5,318.87	153,818.94	4,242.86	7,978.24
Accounts payable	6,501.70	690.71	8,304.80	.....	8,124.69
Bank overdraft	.....	.....	.....	.....	.....
Other liabilities	90.00	.....	.....	1,080.00	.....
Total liabilities	44,360.21	6,009.58	162,123.74	5,322.86	16,102.93
RESERVES					
For equity in H.E.P.C. systems	4,921.18	425.18	42,685.31	10,287.93	916.56
For depreciation	3,032.99	415.00	22,377.00	4,247.82	740.00
Other reserves	.....	.....	.....	.....	.....
Total reserves	7,954.17	840.18	65,062.31	14,535.75	1,656.56
SURPLUS					
Debentures paid	10,365.33	681.13	72,838.60	2,257.14	1,992.18
Local sinking fund	.....	.....	75,753.27	.....	.....
Additional operating surplus	.....	.....	91,505.97	12,399.11	.....
Total surplus	10,365.33	681.13	240,097.84	14,656.25	1,992.18
Total liabilities, reserves and surplus	62,679.71	7,530.89	467,283.89	34,514.86	19,751.67
Percentage of net debt to total assets	77.4	85.5	24.7	21.9	155.4

"A"—Continued

Hydro Municipalities as at December 31, 1925

Martintown P.V.	Maxville 758	Prescott 2,605	Williamsburg P.V.	Winchester 1,072	ST. LAWRENCE SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
126.15	.....	2,761.54	.....	299.85	31,803.13
.....	407.79	.....	.....	.....	54,344.30
2,523.11	10,927.20	32,825.01	1,608.59	8,069.94	164,115.88
.....	.....	.....	.....	.....	.....
690.33	1,736.95	8,642.00	297.89	1,574.93	48,131.97
585.75	2,138.50	11,525.08	827.62	3,346.77	61,355.50
335.26	1,490.96	1,649.64	152.11	564.98	23,861.04
.....	.....	.....	.....	.....	.....
653.27	2,414.49	1,639.43	4.00	343.94	17,691.88
.....	.....	.....	.....	.....	.....
.....	.....	12,108.35	.....	1,100.00	18,384.79
4,913.87	19,115.89	71,151.05	2,890.21	15,300.41	419,688.49
.....	.....	3,085.51	1,343.90	2,280.53	54,850.87
1,000.00	.....	7,000.00	.....	8,000.00	75,670.71
222.62	97.76	5,555.44	412.64	1,334.60	36,471.14
19.80	.....	.....	.....	1,188.22	5,958.68
.....	.....	4,005.22	.....	.....	79,758.49
252.14	1,246.38	9,725.98	970.29	5,187.09	76,618.04
.....	.....	.....	.....	.....	.....
6,408.43	20,460.03	100,523.20	5,617.04	33,290.85	749,016.42
202.02	2,432.09	.....	.....	.....	11,678.26
6,610.45	22,892.12	100,523.20	5,617.04	33,290.85	760,694.68
5,080.58	13,439.01	14,309.90	1,568.35	8,635.16	252,160.42
.....	4,231.64	.....	536.98	822.30	29,212.82
18.31	175.31	.....	.....	.....	193.62
.....	.....	7.00	.....	.....	1,177.00
5,098.89	17,845.96	14,316.90	2,105.33	9,457.46	282,743.86
252.14	1,246.38	9,725.98	970.29	5,187.09	76,618.04
340.00	1,238.79	18,824.60	966.90	4,409.90	56,593.00
.....	.....	.....	.....	.....	.....
592.14	2,485.17	28,550.58	1,937.19	9,596.99	133,211.04
919.42	2,560.99	9,669.44	1,181.65	2,014.84	104,480.72
.....	.....	4,005.22	.....	.....	79,758.49
.....	.....	43,981.06	392.87	12,221.56	160,500.57
919.42	2,560.99	57,655.72	1,574.52	14,236.40	344,739.78
6,610.45	22,892.12	100,523.20	5,617.04	33,290.85	760,694.68
82.8	92.4	11.9	45.3	33.6	34.2

STATEMENT

Balance Sheets of Electrical Departments of

RIDEAU SYSTEM

Municipality	Carleton Place	Kemptville	Lanark	Perth	Smiths Falls
Population	4,328	1,246	613	3,639	6,795
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	5,688.32	.....	.....	6,600.50	20,288.10
Substation equipment	2,471.63	.....	.....	3,492.82	4,845.66
Distribution system, overhead	28,856.90	16,636.03	5,041.44	35,596.61	70,526.29
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	11,462.95	4,010.69	639.33	16,323.17	17,542.11
Meters	12,799.34	3,731.80	1,091.67	16,587.19	24,723.29
Street lighting equipment, regular	1,014.43	1,013.42	642.24	3,841.69	6,160.22
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	8,516.53	5,493.38	276.12	5,435.49	7,134.99
Steam or hydraulic plant	.....	.....	.....	23,255.26	38,251.49
Old plant	.....	.....	.....	2,674.25	21,566.48
Total plant	70,810.10	30,885.32	7,690.80	113,806.98	211,038.63
Bank and cash balance	6,600.04	3,183.23	2,526.01	.....	577.59
Securities and investments	11,000.00	8,000.00	.....	.....	20,000.00
Accounts receivable	2,821.03	1,050.90	34.20	41,157.82	1,430.60
Inventories	1,070.39	582.26	.....	7,177.40	515.66
Sinking fund on local debentures	.....	.....	.....	.....	.....
Equity in H.E.P.C. systems	8,033.10	1,756.35	522.96	5,158.32	12,593.61
Other assets	348.59	.....	.....	153.13	393.30
Total assets	100,683.25	45,458.06	10,773.97	167,453.65	246,549.39
Deficit	.....	.....	.....	.....	6,666.61
Total	100,683.25	45,458.06	10,773.97	167,453.65	253,216.00
LIABILITIES					
Debenture balance	59,503.04	23,217.45	6,491.16	98,991.38	150,653.10
Accounts payable	7,832.60	2,616.29	375.36	7,601.99	8,185.84
Bank overdraft	.....	.....	.....	375.51	.....
Other liabilities	340.64	.....	.....	78.00	.....
Total liabilities	67,676.28	25,833.74	6,866.52	107,046.88	158,838.94
RESERVES					
For equity in H.E.P.C. systems	8,033.10	1,756.35	522.96	5,158.32	12,593.61
For depreciation	11,025.33	2,007.00	488.02	16,054.07	34,811.55
Other reserves	.....	.....	.....	.....	.....
Total reserves	19,058.43	3,763.35	1,010.98	21,212.39	47,405.16
SURPLUS					
Debentures paid	6,496.96	1,782.55	1,070.31	9,408.62	46,971.90
Local sinking fund	.....	.....	.....	.....	.....
Additional operating surplus	7,451.58	14,078.42	1,826.16	29,785.76	.....
Total surplus	13,948.54	15,860.97	2,896.47	39,194.38	46,971.90
Total liabilities, reserves and surplus	100,683.25	45,458.06	10,773.97	167,453.65	253,216.00
Percentage of net debt to total assets	73.0	59.1	67.0	65.9	67.9

"A"—Continued

Hydro Municipalities as at December 31, 1925

	THUNDER BAY SYSTEM			OTTAWA SYSTEM	TRENT SYSTEM		
RIDEAU SYSTEM SUMMARY	Nipigon P.V.	Port Arthur 16,351	THUNDER BAY SYSTEM SUMMARY	Ottawa 118,700	Bloomfield 628	Havelock 1,229	Kingston 21,659
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
32,576.92	.....	67,256.15	67,256.15	145,806.00	.....	.....	126,710.24
10,810.11	.....	91,617.58	91,617.58	259,131.58	.....	572.90	.....
156,657.27	10,051.39	307,990.47	318,041.86	508,972.92	7,332.73	19,542.42	112,002.77
.....	.....	.....	.....	298,153.79	.....	.....	65,084.06
49,978.25	.....	34,139.26	34,139.26	207,421.81	1,119.31	2,054.41	44,016.91
58,933.29	967.65	60,304.95	61,272.60	199,394.54	1,956.45	4,835.71	79,518.90
12,672.00	.....	31,770.18	31,770.18	62,713.93	622.90	1,801.28	12,860.06
.....	.....	.....	.....	29,978.05	.....	.....	25,127.91
26,856.51	22.53	26,892.32	26,914.85	32,597.05	1,403.42	4,629.33	46,821.86
61,506.75	.....	348,096.93	348,096.93	.....	.....	.....	76,096.68
24,240.73	.....	.....	.....	.....	.....	2,420.45	42,090.11
434,231.83	11,041.57	968,067.84	979,109.41	1,744,169.67	12,434.81	35,856.50	630,329.50
12,886.87	67.72	35,738.98	35,806.70	15,793.56	3,520.93	2,017.43	43,843.26
39,000.00	.....	317,288.96	317,288.96	53,000.00	.....	.....	.....
46,494.55	.....	69,262.15	69,262.15	51,163.08	1,298.41	2,529.78	16,937.75
9,345.71	.....	16,687.34	16,687.34	22,071.83	.....	.....	11,908.78
.....	.....	169,392.26	169,392.26	342,606.42	.....	.....	61,136.81
28,064.34	.....	.....	.....	.....	.....	.....	.....
895.02	.....	869.58	869.58	.....	.....	.....	.....
570,918.32	11,109.29	1,577,307.11	1,588,416.40	2,228,804.56	17,254.15	40,403.71	764,156.10
6,666.61	.....	.....	.....	.....	.....	.....	.....
577,584.93	11,109.29	1,577,307.11	1,588,416.40	2,228,804.56	17,254.15	40,403.71	764,156.10
338,856.13	9,728.15	438,485.58	448,213.73	967,753.97	9,860.26	28,125.14	246,273.26
26,612.08	266.00	61,318.71	61,584.71	36,789.80	.....	958.40	.....
375.51	.....	.....	.....	.....	.....	.....	.....
418.64	.....	.....	.....	.....	23.13	6.00	.....
366,262.36	9,994.15	499,804.29	509,798.44	1,004,543.77	9,883.39	29,089.54	246,273.26
28,064.34	.....	.....	.....	.....	.....	.....	.....
64,385.97	180.00	201,044.97	201,224.97	537,981.44	1,762.00	1,792.45	47,872.42
.....	.....	7,925.99	7,925.99	29,889.69	.....	.....	.....
92,450.31	180.00	208,970.96	209,150.96	567,871.13	1,762.00	1,792.45	47,872.42
65,730.34	271.85	197,614.42	197,886.27	12,246.03	1,339.74	4,774.86	65,626.73
.....	.....	169,392.26	169,392.26	342,606.42	.....	.....	61,136.81
53,141.92	663.29	501,525.18	502,188.47	301,537.21	4,269.02	4,746.86	343,246.88
118,872.26	935.14	868,531.86	869,467.00	656,389.66	5,608.76	9,521.72	470,010.42
577,584.93	11,109.29	1,577,307.11	1,588,416.40	2,228,804.56	17,254.15	40,403.71	764,156.10
67.4	90.0	23.4	24.0	35.1	57.3	72.0	26.3

STATEMENT

Balance Sheets of Electrical Departments of

TRENT SYSTEM—Continued

Municipality	Lakefield	Marmora	Norwood	Omemee	Peterboro
Population	1,189	763	765	464	21,661
ASSETS	$ c.	$ c.	$ c.	$ c.	$ c.
Lands and buildings	86.89	.....	.....	.....	75,069.71
Substation equipment	.....	.....	457.53	360.32	81,888.48
Distribution system, overhead	18,375.87	11,928.58	22,570.80	9,659.30	145,615.42
Distribution system, underground	.....	.....	.....	.....	.....
Line transformers	2,620.68	1,488.30	3,644.69	2,372.39	77,936.12
Meters	5,025.34	2,441.91	4,120.54	2,171.63	74,624.98
Street lighting equipment, regular	1,798.73	1,088.59	1,802.02	436.78	34,122.20
Street lighting equip., ornamental	.....	.....	.....	.....	.....
Misc. construction expense	3,337.14	2,000.91	3,990.86	1,540.92	55,550.76
Steam or hydraulic plant	.....	.....	.....	.....	.....
Old plant	3,445.25	573.62	2,447.51	.....	17,410.71
Total plant	34,689.90	19,521.91	39,033.95	16,541.34	562,218.38
Bank and cash balance	5,422.76	6,590.28	3,548.31	.....	.....
Securities and investments	7,000.00	.....	2,000.00	.....	.....
Accounts receivable	333.18	210.20	51.60	150.61	19,739.39
Inventories	.....	.....	.....	.....	2,706.90
Sinking fund on local debentures	.....	.....	.....	.....	72,125.23
Equity in H.E.P.C. systems	.....	.....	.....	.....	.....
Other assets	.....	.....	197.78	.....	5,869.74
Total assets	47,445.84	26,322.39	44,831.64	16,691.95	662,659.64
Deficit	.....	.....	.....	.....	.....
Total	47,445.84	26,322.39	44,831.64	16,691.95	662,659.64
LIABILITIES					
Debenture balance	31,291.75	14,190.10	34,515.81	9,008.39	430,000.00
Accounts payable	2,071.39	124.71	62.52	.....	27,067.06
Bank overdraft	.....	.....	.....	436.40	12,183.33
Other liabilities	.....	.....	181.50	.....	.....
Total liabilities	33,363.14	14,314.81	34,759.83	9,444.79	469,250.39
RESERVES					
For equity in H.E.P.C. systems	.....	.....	.....	.....	.....
For depreciation	3,173.54	1,112.17	2,644.57	2,642.29	53,742.25
Other reserves	.....	.....	.....	.....	10,000.00
Total reserves	3,173.54	1,112.17	2,644.57	2,642.29	63,742.25
SURPLUS					
Debentures paid	2,208.25	3,476.01	2,584.19	2,991.61	.....
Local sinking fund	.....	.....	.....	.....	72,125.23
Additional operating surplus	8,700.91	7,419.40	4,843.05	1,613.26	57,541.77
Total surplus	10,909.16	10,895.41	7,427.24	4,604.87	129,667.00
Total liabilities, reserves and surplus	47,445.84	26,322.39	44,831.64	16,691.95	662,659.64
Percentage of net debt to total assets	70.3	54.4	77.5	56.5	67.2

"A"—Concluded

Hydro Municipalities as at December 31, 1925

Picton 3,108	Wark-worth P.V.	Welling-ton 790	Whitby 4,360	East Whitby Twp. 2,924	West Whitby Twp.	TRENT SYSTEM SUMMARY	ALL SYSTEMS GRAND SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,405.07	.....	200.00	3,187.94	.....	.....	206,659.85	5,768,855.99
989.69	.....	.....	2,461.74	.....	.....	86,730.66	8,543,166.55
28,763.25	4,967.70	11,753.36	36,678.33	704.50	9,207.42	439,102.45	16,837,535.57
.....	.....	.....	.....	.....	.....	65,084.06	3,388,837.09
7,069.53	292.61	3,102.71	6,059.11	2,459.31	2,329.96	156,566.04	5,079,754.23
10,747.01	770.89	3,479.52	10,115.29	787.22	1,207.75	201,803.14	5,533,483.92
4,124.52	299.74	843.66	3,521.19	.....	721.76	64,043.43	1,256,916.53
.....	.....	.....	.....	.....	.....	25,127.91	893,186.48
3,201.50	624.19	717.28	5,073.31	48.97	33.11	128,973.56	4,485,110.96
.....	.....	.....	.....	.....	.....	76,096.68	568,912.49
3,154.98	3,631.52	2,477.92	1,340.13	.....	.....	78,992.20	4,549,142.46
59,455.55	10,586.65	22,574.45	68,437.04	4,000.00	13,500.00	1,529,179.98	56,904,902.27
7,221.28	3,746.63	5,591.73	6,541.85	.....	.....	88,044.46	1,700,145.30
31,000.00	.....	.....	7,000.00	.....	.....	47,000.00	1,095,662.92
4,220.42	420.37	184.08	2,669.87	.....	.....	48,745.66	3,417,558.86
5,126.61	.....	.....	153.87	.....	.....	19,896.16	1,711,504.13
.....	.....	.....	.....	.....	.....	133,262.04	5,202,451.70
.....	.....	.....	.....	.....	.....	.....	7,551,588.70
.....	.....	.....	.....	.....	.....	6,067.52	137,280.05
107,023.86	14,753.65	28,350.26	84,802.63	4,000.00	13,500.00	1,872,195.82	77,721,093.93
.....	.....	.....	.....	.....	.....	.....	153,733.60
107,023.86	14,753.65	28,350.26	84,802.63	4,000.00	13,500.00	1,872,195.82	77,874,827.53
2,334.73	10,713.37	15,218.55	36,345.20	3,087.15	10,419.50	881,383.21	37,919,225.01
1,567.01	799.14	325.38	1,772.66	.....	.....	34,748.27	3,139,067.92
.....	.....	.....	.....	.....	.....	12,619.73	226,147.82
.....	.....	.....	.....	.....	.....	210.63	1,075,914.83
3,901.74	11,512.51	15,543.93	38,117.86	3,087.15	10,419.50	928,961.84	42,360,355.58
.....	.....	.....	.....	.....	.....	.....	7,551,588.70
4,067.43	253.00	2,854.95	3,631.00	.....	.....	125,548.07	8,699,437.68
.....	.....	.....	.....	.....	.....	10,000.00	1,157,147.20
4,067.43	253.00	2,854.95	3,631.00	.....	.....	135,548.07	17,408,173.58
3,395.59	286.63	1,781.45	20,267.30	912.85	3,080.50	112,725.71	4,440,138.34
.....	.....	.....	.....	.....	.....	133,262.04	5,202,451.70
95,659.10	2,701.51	8,169.93	22,786.47	.....	.....	561,698.16	8,463,708.33
99,054.69	2,988.14	9,951.38	43,053.77	912.85	3,080.50	807,685.91	18,106,298.37
107,023.86	14,753.65	28,350.26	84,802.63	4,000.00	13,500.00	1,872,195.82	77,874,827.53
3.6	78.0	54.8	44.9	77.2	77.2	45.7	57.2

STATEMENT

Condensed Operating Reports of Electrical Departments

NIAGARA

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Acton	1,872	15,693.29	4,080.95	599.58	20,373.82	24,578.94	4,205.12
Agincourt	P.V.	1,978.10	443.09	773.70	3,194.89	4,782.09	1,587.20
Ailsa Craig	526	3,614.70	337.16	346.41	4,298.27	5,342.31	1,044.04
Alvinston	624	7,141.69	668.69	2,172.19	9,982.57	10,997.22	1,014.65
Ancaster Twp.	5,316	6,623.19	2,601.01	1,488.16	10,712.36	14,524.97	3,812.61
Aylmer	2,198	13,462.30	3,612.42	2,507.92	19,582.64	22,603.11	3,020.47
Ayr	808	2,895.40	1,189.99	1,076.82	5,162.21	5,675.36	513.15
Baden	P.V.	9,542.54	849.10	259.13	10,650.77	10,919.18	268.41
Barton Twp.	7,222	15,008.48	5,915.44	8,616.68	29,540.60	30,838.88	1,298.28
Beachville	P.V.	13,537.78	704.21	365.40	14,607.39	17,135.58	2,528.19
Belle River	590	2,701.86	495.09	669.50	3,866.45	6,444.65	2,578.20
Blenheim	1,550	12,532.67	2,537.95	948.37	16,018.99	19,932.76	3,913.77
Blyth	618	3,818.19	597.44	1,754.56	6,170.19	7,606.83	1,436.64
Bolton	642	4,889.57	700.10	885.20	6,474.87	7,954.48	1,479.61
Bothwell	635	7,200.85	999.79	1,046.42	9,247.06	12,676.79	3,429.73
Brampton	4,778	36,052.49	6,432.27	4,946.56	47,431.32	56,914.47	9,483.15
Brantford	29,148	211,675.27	39,152.94	40,385.93	291,214.14	299,090.38	7,876.24
Brantford Twp.	7,342	8,279.78	5,794.72	4,418.78	18,493.28	24,005.97	5,512.69
Brigden	P.V.	4,899.16	785.93	343.26	6,028.35	9,446.79	3,418.44
Brussels	905	5,658.79	793.36	1,756.12	8,208.27	10,953.33	2,745.06
Burford	P.V.	3,925.87	864.25	895.72	5,685.84	7,741.50	2,055.66
Burgessville	P.V.	1,779.07	82.88	278.13	2,140.08	2,735.93	595.85
Caledonia	1,350	5,417.39	1,160.54	656.36	7,234.29	8,885.09	1,650.80
Campbellville	P.V.	990.75	141.93	473.23	1,605.91	1,681.60	75.69
Cayuga	773	4,527.60	563.33	1,966.73	7,057.66	8,142.62	1,084.96
Chatham	14,182	94,400.50	41,079.63	21,377.36	156,857.49	190,499.56	33,642.07
Chippawa	1,087	4,978.17	1,295.10	1,231.87	7,505.14	9,778.34	2,273.20
Clifford	511	2,194.64	296.43	546.34	3,037.41	4,431.80	1,394.39
Clinton	1,940	13,274.38	3,278.22	3,051.18	19,603.78	23,873.35	4,269.57
Comber	P.V.	7,752.82	708.90	597.98	9,059.70	8,724.52	.....
Courtright	429	2,329.71	241.35	832.83	3,403.89	4,348.88	944.99
Dashwood	P.V.	2,958.33	283.93	237.72	3,479.98	3,698.74	218.76
Delaware	P.V.	686.34	152.33	266.92	1,105.59	1,609.96	504.37
Dorchester	P.V.	2,590.18	570.31	279.72	3,440.21	3,849.82	409.61
Drayton	540	4,300.12	532.35	406.13	5,238.60	7,035.57	1,796.97
Dresden	1,433	7,409.32	3,422.60	1,340.63	12,172.55	13,896.30	1,723.75
Drumbo	P.V.	2,553.14	683.32	292.73	3,529.19	3,873.03	343.84
Dublin	P.V.	2,047.68	204.79	568.82	2,821.29	3,084.11	262.82
Dundas	5,119	32,461.12	10,291.36	3,531.72	46,284.20	50,532.43	4,248.23
Dunnville	3,434	16,857.57	4,615.97	5,370.88	26,844.42	30,574.25	3,729.83
Dutton	813	5,678.39	1,148.53	646.58	7,473.50	9,398.27	1,924.77
Elmira	2,405	21,794.29	3,925.27	1,284.69	27,004.25	28,646.35	1,642.10
Elora	1,079	11,239.54	3,579.17	916.90	15,735.61	16,957.58	1,221.97
Embro	467	3,438.16	424.81	653.00	4,515.97	5,598.82	1,082.85
Erieau	80	1,546.52	250.46	654.04	2,451.02	3,096.89	645.87

"B"

of Hydro Municipalities for Year Ended December 31, 1925

SYSTEM

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horsepower taken in Dec., 1925
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	847.00	3,358.12	.....	414	75	17	.....	506	27.0	527.0
.....	200.00	1,387.20	.....	114	13	2	.....	129	.....	67.0
.....	354.00	690.04	.....	115	26	2	.....	143	27.1	83.1
.....	465.00	549.65	.....	141	56	6	.....	203	32.5	73.0
.....	940.00	2,872.61	.....	544	40	4	.....	588	.....	355.1
.....	851.00	2,169.47	.....	521	128	11	.....	660	30.0	412.8
.....	437.00	76.15	.....	169	49	2	.....	220	27.2	97.2
.....	254.00	14.41	.....	106	25	5	.....	136	.....	314.3
.....	1,915.00	.....	616.72	1,087	68	6	.....	1,161	.....	609.3
.....	493.00	2,035.19	.....	97	28	2	.....	127	.....	488.8
.....	312.00	2,266.20	.....	129	26	4	.....	159	26.9	84.4
.....	865.00	3,048.77	.....	397	98	16	.....	511	32.9	380.7
.....	262.00	1,174.64	.....	101	35	1	.....	137	22.1	54.2
.....	505.00	974.61	.....	128	41	6	.....	175	27.2	119.1
.....	452.00	2,977.73	.....	171	53	13	.....	237	38.8	177.7
.....	1,324.00	8,159.15	.....	1,191	220	51	20	1,482	31.0	1,434.3
.....	15,139.00	.....	7,262.76	5,495	628	94	.....	6,217	21.3	8,509.4
.....	1,569.00	3,943.69	.....	557	40	5	27	629	.....	274.5
.....	242.00	3,176.44	.....	93	37	4	.....	134	.....	69.7
.....	394.00	2,351.06	.....	150	50	1	.....	201	22.2	108.6
.....	327.00	1,728.66	.....	167	35	4	8	214	.....	96.5
.....	124.00	471.85	.....	50	14	1	.....	65	.....	25.7
.....	416.00	1,234.80	.....	143	75	9	.....	227	16.8	223.6
.....	73.00	2.69	.....	33	6	.....	.....	39	.....	20.1
.....	398.00	686.96	.....	57	41	2	.....	100	12.9	78.4
.....	9,270.00	24,372.07	.....	3,706	630	124	.....	4,460	31.4	4,099.2
.....	479.00	1,794.20	.....	218	36	6	.....	260	23.9	277.5
.....	161.00	1,233.39	.....	63	30	1	.....	94	18.3	37.5
.....	1,287.00	2,982.57	.....	452	125	12	.....	589	30.3	362.0
335.18	286.00	.....	621.18	85	47	3	.....	135	.....	126.8
.....	141.00	803.99	.....	61	15	.....	.....	76	17.7	30.8
.....	116.00	102.76	.....	54	23	3	.....	80	.....	63.8
.....	104.00	400.37	.....	43	12	.....	.....	55	.....	18.2
.....	284.00	125.61	.....	123	19	3	.....	145	.....	70.6
.....	326.00	1,470.97	.....	136	49	4	.....	189	35.0	80.4
.....	654.00	1,069.75	.....	313	113	12	.....	438	30.5	269.4
.....	178.00	165.84	.....	79	23	3	.....	105	.....	50.4
.....	173.00	89.82	.....	36	21	3	.....	60	.....	37.5
.....	3,030.00	1,218.23	.....	1,015	177	48	.....	1,240	24.2	1,413.4
.....	1,998.00	1,731.83	.....	421	179	21	.....	621	18.0	556.3
.....	413.00	1,511.77	.....	186	69	6	2	263	32.3	167.5
.....	1,259.00	383.10	.....	457	109	20	.....	586	24.3	770.8
.....	160.00	1,061.97	.....	289	70	3	.....	362	33.5	314.8
.....	313.00	769.85	.....	88	33	4	1	126	26.9	46.9
.....	144.00	501.87	.....	68	5	.....	.....	73	*	32.1

*Erieau total includes summer consumers.

STATEMENT

Condensed Operating Reports of Electrical Departments

NIAGARA

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Erie Beach	21	.....	.....	.....	.....	.....	.....
Essex	1,540	6,775.57	3,235.39	1,467.24	11,478.20	18,980.44	7,502.24
Etobicoke Twp.	12,594	35,770.29	23,907.99	15,025.27	74,703.55	94,084.73	19,381.18
Exeter	1,527	12,277.71	2,759.04	1,158.98	16,195.73	18,799.30	2,603.57
Fergus	1,765	11,065.84	4,097.41	2,887.46	18,050.71	18,655.26	604.55
Ford City	6,781	56,468.21	12,433.71	9,795.37	78,697.29	103,149.37	24,452.08
Forest	1,462	8,714.15	4,216.87	2,449.66	15,380.68	19,003.27	3,622.59
Galt	12,880	131,189.35	27,274.11	45,200.23	203,663.69	219,862.05	16,198.36
Georgetown	1,971	21,288.90	5,407.92	1,452.98	28,149.80	31,459.69	3,309.89
Glencoe	751	7,279.41	1,561.76	1,485.83	10,327.00	11,582.48	1,255.48
Goderich	4,224	34,351.80	8,640.43	4,730.20	47,722.43	55,772.71	8,050.28
Granton	P.V.	2,994.95	203.31	258.12	3,456.38	3,924.83	468.45
Guelph	18,875	150,133.58	27,289.93	7,145.85	184,569.36	236,286.73	51,717.37
Hagersville	1,107	20,635.86	4,702.98	507.30	25,846.14	29,297.62	3,451.48
Hamilton	120,945	629,050.05	178,529.60	174,274.97	981,854.62	985,442.24	3,587.62
Harriston	1,273	8,678.59	1,590.59	1,590.58	11,859.76	16,038.88	4,179.12
Harrow	P.V.	4,620.28	669.97	1,015.49	6,305.74	9,753.80	3,448.06
Hensall	721	3,972.98	684.76	805.08	5,462.82	8,562.14	3,099.32
Hespeler	2,826	19,444.52	4,891.29	3,646.76	27,982.57	35,305.49	7,322.92
Highgate	394	3,232.71	497.52	346.60	4,076.83	5,340.81	1,263.98
Humberstone	1,441	4,079.73	1,547.23	2,480.08	8,107.04	8,683.29	576.25
Ingersoll	4,932	42,003.06	8,988.96	4,194.48	55,186.50	66,630.83	11,444.33
Jarvis	466	4,979.23	528.62	990.73	6,498.58	8,809.24	2,310.66
Kingsville	2,215	11,543.03	5,287.21	2,433.74	19,263.98	27,151.59	7,887.61
Kitchener	24,280	282,269.62	62,211.09	38,961.40	383,442.11	434,634.94	51,192.83
Lambeth	P.V.	3,118.52	326.45	265.44	3,710.41	4,160.07	449.66
Leamington	4,001	16,238.67	7,516.63	4,184.86	27,940.16	44,979.46	17,039.30
Listowel	2,389	16,820.85	4,555.62	3,897.61	25,274.08	28,296.26	3,022.18
London	61,867	479,681.46	132,414.58	121,127.37	733,223.41	805,992.61	72,769.20
London Twp.	6,947	4,425.55	698.40	1,206.47	6,330.42	7,964.59	1,634.17
Louth Twp.	2,480	274.51	359.12	515.73	1,149.36	2,008.35	858.99
Lucan	614	5,785.81	1,597.53	818.45	8,201.79	8,386.05	184.26
Lynden	P.V.	5,468.94	258.64	289.38	6,016.96	7,002.05	985.09
Markham	950	4,799.66	2,136.21	1,180.98	8,116.85	9,804.60	1,687.75
Merlin	P.V.	4,884.73	522.30	1,153.38	6,560.41	8,285.50	1,725.09
Merritton	2,574	13,208.21	5,558.76	935.51	19,702.48	23,656.46	3,953.98
Milton	1,950	33,556.34	4,545.50	3,303.47	41,405.31	45,967.87	4,562.56
Milverton	1,059	13,899.98	1,042.41	798.38	15,740.77	18,164.82	2,424.05
Mimico	4,486	30,376.67	10,313.03	7,658.32	48,348.02	51,413.74	3,065.72
Mitchell	1,731	10,528.66	3,497.40	581.80	14,607.86	21,654.86	7,047.00
Moorefield	P.V.	2,405.87	211.64	357.96	2,975.47	3,693.10	717.63
Mount Brydges	P.V.	1,809.13	349.98	273.89	2,433.00	3,749.02	1,316.02
Newbury	286	1,469.48	217.93	750.79	2,438.20	2,863.38	425.18
New Hamburg	1,441	13,993.98	2,922.91	1,191.49	18,108.38	21,313.31	3,204.93
New Toronto	3,917	91,474.27	12,108.78	288.71	103,871.76	120,860.22	16,988.46

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1925

SYSTEM—Continued

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horsepower taken in Dec., 1925
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.0
.....	832.00	6,670.24	.....	356	112	12	.....	480	31.2	211.8
.....	6,586.00	12,795.18	.....	3,031	252	21	.....	3,304	.....	1,651.4
.....	820.00	1,783.57	.....	374	106	10	.....	490	32.0	282.8
.....	955.00	.....	350.45	436	105	17	1	559	31.6	388.7
.....	3,139.00	21,313.08	.....	1,944	184	24	.....	2,152	31.7	2,095.0
.....	911.00	2,711.59	.....	427	121	22	.....	570	39.0	194.3
.....	14,694.52	1,503.84	.....	3,125	475	125	.....	3,725	28.9	5,348.2
.....	1,417.00	1,892.89	.....	510	107	23	88	728	36.9	662.1
.....	573.00	682.48	.....	215	65	5	.....	285	37.9	134.6
.....	1,221.00	6,829.28	.....	1,000	192	18	.....	1,210	28.6	906.5
.....	157.00	311.45	.....	75	26	1	.....	102	.....	37.9
.....	10,508.00	41,209.37	.....	4,375	640	112	.....	5,127	27.1	6,504.1
.....	626.00	2,825.48	.....	242	87	12	.....	341	30.8	432.5
.....	40,295.67	.....	36,708.05	25,426	2,707	737	.....	28,870	23.9	29,458.7
.....	620.00	3,559.12	.....	266	90	11	.....	367	28.8	219.5
.....	413.00	3,035.06	.....	170	63	9	.....	242	.....	86.0
.....	405.00	2,694.32	.....	144	48	10	.....	202	28.0	84.4
.....	1,505.00	5,817.92	.....	596	104	20	32	752	26.6	784.2
.....	212.00	1,051.98	.....	85	33	5	.....	123	31.2	107.2
.....	551.00	25.25	.....	293	71	3	.....	367	25.4	234.6
.....	3,006.00	8,438.33	.....	1,243	245	53	.....	1,541	31.2	1,843.2
.....	250.00	2,060.66	.....	58	33	3	.....	94	20.1	143.4
.....	1,038.00	6,849.61	.....	547	155	14	4	720	32.5	317.7
.....	18,646.00	32,546.83	.....	5,233	781	232	.....	6,246	25.7	11,755.0
.....	210.00	239.66	.....	109	19	2	.....	130	.....	76.2
.....	1,662.00	15,377.30	.....	1,045	192	23	.....	1,260	31.4	461.1
.....	1,554.00	1,468.18	.....	589	146	20	6	761	31.8	543.0
.....	64,840.23	7,928.97	.....	15,374	1,992	511	.....	17,877	28.8	21,053.3
.....	364.00	1,270.17	.....	240	4	2	.....	246	.....	132.1
.....	109.13	749.86	.....	.....	.....	.....	59	59	.....	15.0
.....	440.00	.....	255.74	161	37	7	2	207	33.7	164.9
.....	174.00	811.09	.....	70	19	1	.....	90	.....	151.1
.....	424.00	1,263.75	.....	220	48	8	.....	276	29.0	109.0
.....	250.00	1,475.09	.....	87	33	3	.....	123	.....	107.2
.....	851.00	3,102.98	.....	594	55	4	.....	653	25.3	682.3
.....	1,263.00	3,299.56	.....	407	89	22	.....	518	26.5	991.3
	499.00	1,925.05	.....	190	68	8	1	267	25.2	391.3
.....	3,141.00	.....	75.28	1,369	114	15	.....	1,498	33.3	1,531.0
.....	1,879.00	5,168.00	.....	409	105	25	.....	539	31.1	334.1
.....	124.00	593.63	.....	44	16	2	1	63	.....	21.4
.....	192.00	1,124.02	.....	107	25	2	.....	134	.....	47.8
.....	189.00	236.18	.....	50	23	1	.....	74	25.8	28.1
.....	1,041.00	2,163.93	.....	295	75	12	.....	382	26.5	379.7
.....	2,130.00	14,858.46	.....	978	106	19	.....	1,103	28.1	3,442.3

STATEMENT

Condensed Operating Reports of Electrical Departments

NIAGARA

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Niagara Falls	15,936	119,468.16	40,498.81	42,302.83	202,269.80	232,554.61	30,284.81
Niagara-on-the-Lake	1,626	6,843.27	3,713.82	2,042.29	12,599.38	13,720.38	1,121.00
Norwich	1,316	9,612.51	6,230.14	415.21	16,257.86	17,860.17	1,602.31
Oil Springs	452	8,711.68	2,279.25	1,393.37	12,384.30	13,791.12	1,406.82
Otterville	P.V.	2,610.27	627.81	392.33	3,630.41	4,506.34	875.93
Palmerston	1,525	11,020.86	2,218.16	1,425.49	14,664.51	18,444.49	3,779.98
Paris	4,184	31,167.01	6,917.18	3,422.98	41,507.17	47,878.62	6,371.45
Parkhill	1,064	6,678.61	655.28	1,028.74	8,362.63	7,933.91	.....
Petrolia	2,709	30,405.88	7,417.47	2,735.36	40,558.71	50,448.64	9,889.93
Plattsville	P.V.	2,901.26	338.55	389.67	3,629.48	3,815.57	186.09
Point Edward	1,116	21,805.95	1,149.74	1,451.42	24,407.11	26,386.51	1,979.40
Port Colborne	3,961	22,133.88	7,494.48	8,422.06	38,050.42	37,663.35	.....
Port Credit	1,225	9,180.94	1,830.72	716.38	11,728.04	12,934.74	1,206.70
Port Dalhousie	1,417	7,303.15	2,444.18	1,906.06	11,653.39	16,186.39	4,533.00
Port Dover	1,643	6,598.60	1,138.68	2,809.65	10,546.93	13,227.36	2,680.43
Port Stanley	727	10,831.81	3,444.55	1,006.84	15,283.20	16,794.92	1,511.72
Preston	5,509	65,627.80	13,477.07	8,499.50	87,604.37	104,848.86	17,244.49
Princeton	P.V.	2,011.73	173.91	229.09	2,414.73	3,045.61	630.88
Queenston	P.V.	1,981.49	334.34	766.72	3,082.55	3,076.66	.....
Ridgetown	1,957	11,369.90	3,443.54	1,661.21	16,474.65	20,882.79	4,408.14
Riverside	3,034	16,312.38	8,175.83	5,373.36	29,861.57	39,605.35	9,743.78
Rockwood	P.V.	2,873.43	651.58	.....	3,525.01	4,019.10	494.09
Rodney	706	4,178.27	809.35	584.84	5,572.46	8,065.63	2,493.17
St. Catharines	21,141	118,223.65	46,436.70	16,715.45	181,375.80	196,931.63	15,555.83
St. Clair Beach	135	1,973.23	747.72	574.93	3,295.88	5,361.98	2,066.10
St. George	P.V.	3,629.43	582.63	412.83	4,624.89	5,009.00	384.11
St. Jacobs	P.V.	3,926.44	401.38	502.84	4,830.66	6,096.32	1,265.66
St. Marys	3,971	31,075.15	8,324.78	4,853.63	44,253.56	47,612.71	3,359.15
St. Thomas	17,327	109,968.61	42,806.27	9,186.13	161,961.01	202,289.68	40,328.67
Sandwich	6,059	60,750.92	11,740.60	9,839.68	82,331.20	91,732.81	9,401.61
Sarnia	15,274	138,440.49	32,650.89	27,630.92	198,722.30	230,637.22	31,914.92
Scarboro' Twp.	13,250	44,190.86	20,001.11	17,202.12	81,394.09	95,511.10	14,117.01
Seaforth	1,847	14,344.23	3,826.10	832.63	19,002.96	22,798.04	3,795.08
Simcoe	4,118	20,775.77	6,288.44	2,713.18	29,777.39	35,346.91	5,569.52
Springfield	391	3,429.90	556.03	807.31	4,793.24	5,141.41	348.17
Stamford Twp.	5,460	15,688.77	11,356.62	8,707.96	35,753.35	41,262.45	5,509.10
Stouffville	1,071	4,341.11	1,158.41	1,897.78	7,397.30	10,007.54	2,610.24
Stratford	18,425	150,709.43	32,418.22	31,933.79	215,061.44	254,528.60	39,467.16
Strathroy	2,642	21,616.27	5,521.67	3,540.85	30,678.79	34,467.58	3,788.79
Sutton	891	4,572.92	1,082.07	2,234.40	7,889.39	8,721.98	832.59
Tavistock	1,008	11,445.68	1,217.26	133.42	12,796.36	15,371.65	2,575.29
Tecumseh	1,665	5,303.73	4,075.61	2,520.54	11,899.88	15,181.35	3,281.47
Thamesford	P.V.	4,586.68	396.05	562.02	5,544.75	7,111.15	1,566.40
Thamesville	805	4,652.76	727.92	807.05	6,187.73	9,497.60	3,309.87
Thedford	580	3,706.77	449.58	1,438.55	5,594.90	5,922.97	328.07

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1925

SYSTEM—Continued

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1925
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	13,885.00	16,399.81	.....	3,810	574	85	.....	4,469	28.0	7,518.7
.....	791.00	330.00	.....	353	72	9	12	446	27.4	241.3
.....	490.00	1,112.31	.....	341	86	9	.....	436	33.1	227.8
.....	514.00	892.82	.....	59	29	36	.....	124	27.4	259.3
.....	230.00	645.93	.....	115	16	4	.....	135	.....	60.3
.....	841.00	2,938.98	.....	341	88	9	.....	438	28.8	320.3
.....	3,545.00	2,826.45	.....	996	183	22	.....	1,201	28.7	1,156.3
428.72	496.00	.....	924.72	199	61	3	.....	263	24.7	111.2
.....	1,930.00	7,959.93	.....	607	191	64	.....	862	31.8	836.2
.....	70.00	116.09	.....	112	28	3	.....	143	.....	37.5
.....	578.00	1,401.40	.....	261	43	11	.....	315	28.2	574.3
387.07	2,111.00	.....	2,498.07	1,011	191	17	.....	1,219	30.7	1,238.0
.....	770.00	436.70	.....	308	68	5	.....	381	31.1	347.2
.....	550.00	3,983.00	.....	559	30	13	.....	602	42.4	242.6
.....	745.00	1,935.43	.....	271	103	8	.....	382	23.2	223.5
.....	881.00	630.72	.....	542	59	12	.....	613	**	139.4
.....	5,361.00	11,883.49	.....	1,381	209	49	25	1,664	30.2	2,603.2
.....	130.00	500.88	.....	83	11	1	.....	95	.....	33.3
5.89	205.00	.....	210.89	65	4	1	.....	70	.....	59.0
.....	895.00	3,513.14	.....	471	126	20	.....	617	31.5	374.0
.....	1,632.00	8,111.78	.....	727	39	6	.....	772	25.4	514.7
.....	175.00	319.09	.....	120	23	3	.....	146	.....	67.0
.....	331.00	2,162.17	.....	165	66	4	.....	235	33.2	110.6
.....	10,773.00	4,782.83	.....	5,042	510	110	.....	5,662	26.7	6,211.2
.....	162.00	1,904.10	.....	34	4	2	.....	40	30.0	37.5
.....	218.00	166.11	.....	110	28	4	.....	142	.....	87.1
.....	214.00	1,051.66	.....	72	21	4	.....	97	.....	139.7
.....	1,313.00	2,046.15	.....	928	204	42	.....	1,174	29.5	1,045.5
.....	10,362.00	29,966.67	.....	3,838	626	115	.....	4,579	26.4	4,475.2
.....	2,617.00	6,784.61	.....	1,898	120	19	.....	2,037	33.6	2,653.8
.....	12,412.00	19,502.92	.....	4,264	588	75	.....	4,927	32.2	5,081.8
.....	5,604.00	8,513.01	.....	2,914	192	31	21	3,158	.....	1,516.7
.....	610.00	3,185.08	.....	550	118	12	.....	680	36.2	471.6
.....	1,666.00	3,903.52	.....	570	213	27	.....	810	19.6	840.0
.....	189.00	159.17	.....	87	22	4	.....	113	28.9	58.5
.....	2,729.00	2,780.10	.....	995	47	13	.....	1,055	.....	991.0
.....	302.00	2,308.24	.....	209	75	5	.....	289	27.0	97.8
.....	14,275.00	25,192.16	.....	4,056	549	140	.....	4,745	25.7	5,148.8
.....	2,160.00	1,628.79	.....	701	162	26	.....	889	33.6	711.8
.....	494.00	338.59	.....	268	45	1	.....	314	35.2	69.7
.....	454.00	2,121.29	.....	216	66	5	.....	287	28.4	367.3
.....	703.00	2,578.47	.....	333	43	1	.....	377	22.6	136.7
.....	315.00	1,251.40	.....	94	26	5	.....	125	.....	124.6
.....	457.00	2,852.87	.....	200	76	8	.....	284	35.4	127.3
.....	238.00	90.07	.....	111	39	3	.....	153	26.3	46.6

**Port Stanley total includes summer consumers.

STATEMENT

Condensed Operating Reports of Electrical Department

NIAGARA

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Thorndale....	P.V.	3,000.89	252.02	309.14	3,562.05	3,854.32	292.27
Thorold.....	5,292	16,717.91	8,886.68	426.23	26,030.82	33,375.56	7,344.74
Tilbury.....	1,982	13,056.66	1,809.13	972.23	15,838.02	22,193.70	6,355.68
Tillsonburg...	3,113	19,540.94	5,901.16	1,985.99	27,428.09	37,260.65	9,832.56
Toronto.....	538,771	4088697.73	2211502.91	1836000.14	8136200.78	8,693,954.32	557,753.54
Toronto Twp.	6,382	20,067.78	9,878.37	6,914.94	36,861.09	48,707.67	11,846.58
Trafalgar Twp	3,727	4,492.63	2,546.92	1,631.26	8,670.81	12,082.36	3,411.55
Walkerville...	8,088	109,813.67	34,262.35	18,689.68	162,765.70	211,989.89	49,224.19
Wallaceburg..	4,530	35,225.77	11,643.82	4,655.47	51,525.06	66,331.09	14,806.03
Wardsville....	219	1,054.30	107.15	671.22	1,832.67	2,094.70	262.03
Waterdown...	836	7,643.59	2,138.73	1,924.72	11,707.04	13,416.11	1,709.07
Waterford....	1,040	8,080.57	1,414.61	.....	9,495.18	12,584.88	3,089.70
Waterloo.....	6,478	60,878.47	14,756.05	8,003.30	83,637.82	100,654.89	17,017.07
Watford.....	1,023	5,931.24	1,735.12	649.37	8,315.73	11,418.57	3,102.84
Welland.....	8,705	60,740.10	20,273.44	27,033.83	108,047.37	107,270.66	.....
Wellesley.....	P.V.	5,374.24	549.51	637.95	6,561.70	6,971.48	409.78
West Lorne...	772	10,663.74	916.68	581.19	12,161.61	13,570.58	1,408.97
Weston.....	3,965	54,469.98	10,111.38	5,788.26	70,369.62	82,457.65	12,088.03
Wheatley.....	693	3,209.23	659.98	1,085.28	4,954.49	8,468.75	3,514.26
Windsor.....	47,177	506,152.13	182,366.77	98,538.21	787,057.11	902,424.79	115,367.68
Woodbridge..	713	7,682.07	1,422.28	584.84	9,689.19	10,303.11	613.92
Woodstock...	10,197	84,769.45	20,358.84	5,204.62	110,332.91	128,424.46	18,091.55
Wyoming.....	504	2,332.20	455.16	878.63	3,665.99	4,154.50	488.51
†York Twp...	43,121	153,674.19	147,567.51	116,813.67	418,055.37	437,402.40	19,347.03
*E. York Twp	20,290	33,914.84	16,777.18	659.66	51,351.68	67,229.35	15,877.67
N. York Twp.	7,187	12,941.69	6,490.71	10,197.07	29,629.47	35,053.21	5,423.74
Zurich.....	P.V.	4,993.99	451.64	390.00	5,835.63	6,641.24	805.61
Total....	1332912	9435480.05	3804267.52	2984053.60	16223801.17	17907071.14	1685203.54

GEORGIAN

		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Alliston.....	1,349	9,413.08	1,931.73	3,159.92	14,504.73	13,482.41	.....
Arthur.....	1,156	9,131.29	1,128.70	2,146.90	12,406.89	13,885.15	1,478.26
Barrie.....	7,216	43,936.10	8,562.88	3,171.17	55,670.15	60,466.06	4,795.91
Beaverton....	924	6,452.67	1,381.40	899.97	8,734.04	13,467.08	4,733.04
Beeton.....	561	8,903.63	599.64	1,146.98	10,650.25	8,894.14	.....
Bradford.....	986	9,497.10	1,067.95	1,745.70	12,310.75	12,622.33	311.58
Brechin.....	P.V.	2,610.86	299.62	476.84	3,387.32	3,975.05	587.73
Cannington...	919	4,653.94	1,372.74	1,088.37	7,115.05	8,538.87	1,423.82
Chatsworth...	285	1,898.06	309.51	491.29	2,698.86	3,100.62	401.76
Chesley.....	1,720	12,956.84	1,822.48	2,336.57	17,115.89	19,708.43	2,592.54

*Five months operation only.
†Consumers included with Toronto.

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1925

SYSTEM—Concluded

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horsepower taken in Dec., 1925
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	155.00	137.27	.....	73	20	1	.....	94	.....	32.1
.....	2,060.00	5,284.74	.....	1,121	177	7	.....	1,305	24.6	941.0
.....	577.00	5,778.68	.....	276	99	13	.....	388	19.5	395.8
.....	1,785.00	8,047.56	.....	707	200	26	.....	933	30.0	697.8
.....	476371.03	81,382.51	.....	116236	22,237	4,447	.....	142920	26.5	192,812.3
.....	4,382.00	7,464.58	.....	1,132	91	14	.....	1,237	.....	757.4
.....	664.00	2,747.55	.....	172	2	13	.....	187	.....	.....
.....	9,221.00	40,003.19	.....	2,022	267	78	.....	2,367	29.2	4,415.5
.....	2,331.00	12,475.03	.....	842	179	26	.....	1,047	23.1	1,623.4
.....	140.00	122.03	.....	52	13	.....	.....	65	30.0	16.5
.....	1,123.00	586.07	.....	191	36	4	.....	231	27.6	232.7
.....	612.00	2,477.70	.....	276	61	5	.....	342	33.0	266.7
.....	5,909.00	11,108.07	.....	1,447	197	65	19	1,728	26.6	2,481.2
.....	477.00	2,625.84	.....	240	79	7	.....	326	31.8	138.3
776.71	7,863.00	.....	8,639.71	2,020	383	79	.....	2,482	28.6	2,777.7
.....	210.00	199.78	.....	99	31	5	.....	135	.....	136.7
.....	410.00	998.97	.....	157	53	6	.....	216	28.0	359.2
.....	3,482.00	8,606.03	.....	1,272	159	25	.....	1,456	36.7	2,231.7
.....	322.00	3,192.26	.....	119	53	1	.....	173	25.0	87.1
.....	32,738.00	62,829.68	.....	12,382	1,597	351	.....	14,330	30.3	20,813.0
.....	493.00	120.92	.....	175	44	6	.....	225	31.5	225.1
.....	7,707.00	10,384.55	.....	2,471	426	89	.....	2,986	29.2	3,626.4
.....	263.00	225.51	.....	106	41	2	1	150	29.7	47.7
.....	10,738.00	8,609.03	.....	.....	.....	.....	.....	.....	.....	.....
.....	3,148.00	12,729.67	.....	5,681	166	19	.....	5,866	.....	2,954.4
.....	2,374.00	3,049.74	.....	876	45	9	1	931	.....	481.6
.....	258.00	547.61	.....	90	42	4	.....	136	.....	111.2
1,933.57	921887.58	819,545.96	58163.57	283184	46,432	9,078	331	339025	.....	403858.8

BAY SYSTEM

$ c.	$ c.	$ c.	$ c.							
1,022.32	918.00	.....	1,940.32	311	91	14	.....	416	30.8	161.4
.....	693.00	785.26	.....	153	75	4	.....	232	20.0	130.5
.....	4,400.00	395.91	.....	1,719	303	30	1	2,053	28.4	1,616.3
.....	673.00	4,060.04	.....	240	67	11	96	414	45.0	163.5
1,756.11	426.00	.....	2,182.11	105	32	4	.....	141	25.0	121.4
.....	539.00	.....	227.42	161	53	5	.....	219	22.2	142.0
.....	96.00	491.73	.....	36	25	3	.....	64	.....	44.2
.....	443.00	980.82	.....	209	67	12	.....	288	31.3	150.1
.....	171.00	230.76	.....	56	24	1	.....	81	28.4	40.2
.....	848.00	1,744.54	.....	346	92	16	.....	454	26.3	384.7

STATEMENT

Condensed Operating Reports of Electrical Departments

GEORGIAN BAY

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Coldwater	600	3,598.30	1,005.12	493.72	5,097.14	5,630.03	532.89
Collingwood	6,796	51,569.01	7,449.20	2,894.13	61,912.34	57,774.98	.....
Cookstown	P.V.	2,463.93	497.82	1,239.68	4,201.43	3,796.66	.....
Creemore	657	4,572.64	458.74	567.46	5,598.84	5,223.72	.....
Dundalk	690	4,605.30	729.23	418.35	5,752.88	8,294.28	2,541.40
Durham	1,580	13,947.02	1,988.24	2,629.98	18,565.24	21,421.50	2,856.26
Elmvale	P.V.	6,629.70	1,033.05	455.36	8,118.11	7,299.53	.....
Elmwood	P.V.	1,926.10	204.51	639.84	2,770.45	2,994.94	224.49
Flesherton	482	2,692.48	406.30	610.18	3,708.96	4,052.42	343.46
Grand Valley	654	5,635.77	489.31	732.95	6,858.03	8,634.70	1,776.67
Gravenhurst	1,751	8,062.29	4,736.31	3,965.46	16,764.06	22,077.65	5,313.59
Hanover	2,852	36,507.39	5,362.39	7,754.45	49,624.23	53,999.87	4,375.64
Holstein	P.V.	1,610.33	245.57	450.40	2,306.30	2,133.14	.....
Huntsville	2,460	25,438.30	4,690.45	1,780.49	31,909.24	34,701.88	2,792.64
Kincardine	2,036	16,052.21	3,293.63	5,272.50	24,618.34	26,746.98	2,128.64
Kirkfield	P.V.	1,495.55	285.07	576.26	2,356.88	1,958.26	.....
Lucknow	921	7,942.79	755.12	1,679.32	10,377.23	11,794.27	1,417.04
Markdale	922	3,775.63	756.23	653.84	5,185.70	6,276.94	1,091.24
Meaford	2,653	9,926.65	3,404.62	2,716.58	16,047.85	26,743.76	10,695.91
Midland	7,346	93,758.78	12,838.81	8,324.06	114,921.65	143,650.23	28,728.58
Mount Forest	1,755	12,639.33	2,340.06	2,010.47	16,989.86	17,983.25	993.39
Neustadt	473	6,031.21	450.79	1,637.53	8,119.53	8,144.52	24.99
Orangeville	2,656	14,547.72	2,477.39	3,108.63	20,133.74	23,063.70	2,929.96
Owen Sound	11,935	54,193.59	22,004.41	6,007.31	82,205.31	97,884.84	15,679.53
Paisley	793	4,967.82	595.46	1,338.87	6,902.15	8,677.05	1,774.90
Penetanguishene	3,868	14,869.22	5,992.30	2,815.41	23,676.93	23,105.92	.....
Port McNicoll	630	2,101.06	457.83	643.66	3,202.55	3,158.14	.....
Port Perry	1,150	6,708.40	1,042.60	1,194.88	8,945.88	12,481.05	3,535.17
Priceville	P.V.	996.24	91.96	695.69	1,783.89	1,254.04	.....
Ripley	P.V.	4,043.88	559.58	1,058.75	5,662.21	5,805.31	143.10
Shelburne	1,120	9,049.22	1,024.30	1,581.39	11,654.91	13,072.47	1,417.56
Stayner	966	5,149.45	850.91	1,220.61	7,220.97	8,005.70	784.73
Sunderland	P.V.	3,183.40	645.05	568.65	4,397.10	4,672.62	275.52
Tara	490	4,762.67	716.27	1,478.00	6,956.94	6,878.28	.....
Teeswater	802	8,084.57	639.52	2,822.04	11,546.13	11,087.39	.....
Thornton	P.V.	2,015.64	95.75	870.70	2,982.09	2,373.82	.....
Tottenham	523	5,105.68	566.02	709.44	6,381.14	6,210.85	.....
Uxbridge	2,129	7,399.97	1,298.42	932.77	9,631.16	13,409.11	3,777.95
Victoria Harbour	1,454	2,498.85	640.99	542.87	3,682.71	3,835.74	153.03
Waubaushene	P.V.	1,620.90	386.55	304.54	2,311.99	2,405.34	93.35
Wingham	2,440	19,061.95	5,508.05	6,630.74	31,200.74	35,796.82	4,596.08
Woodville	447	2,935.98	466.13	318.00	3,720.11	5,100.54	1,380.43
Total	86,647	603,630.49	117,956.71	99,009.67	820,596.87	927,752.38	118,702.78

" B "—Continued

of Hydro Municipalities for Year Ended December 31, 1925

SYSTEM—Concluded

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1925
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	426.00	106.89	.....	113	49	4	.....	166	27.6	131.3
4,137.36	3,184.00	.....	7,321.36	1,290	255	52	2	1,599	23.5	1,258.6
404.77	350.00	.....	754.77	66	46	3	.....	115	.....	44.9
375.12	290.00	.....	665.12	141	58	7	.....	206	31.3	82.5
.....	313.00	2,228.40	.....	127	74	5	.....	206	29.8	159.5
.....	777.00	2,079.26	.....	309	90	8	.....	407	25.7	220.0
818.58	172.00	.....	990.58	120	57	10	.....	187	.....	210.5
.....	173.00	51.49	.....	43	17	1	.....	61	.....	46.9
.....	242.00	101.46	.....	97	31	1	12	141	29.2	61.3
.....	380.00	1,396.67	.....	122	58	2	.....	182	27.8	86.8
.....	1,371.00	3,942.59	.....	366	60	13	.....	439	25.0	437.3
.....	2,319.00	2,056.64	.....	630	59	18	.....	707	24.8	817.7
173.16	84.00	.....	257.16	40	22	1	.....	63	.....	12.8
.....	701.00	2,091.64	.....	494	100	9	.....	603	24.5	1,045.5
.....	1,291.00	837.64	.....	432	116	16	.....	564	27.7	236.0
398.62	153.00	.....	551.62	24	22	1	.....	47	.....	30.8
.....	458.00	959.04	.....	190	74	2	1	267	29.0	100.5
.....	402.00	689.24	.....	159	71	9	.....	239	25.9	114.8
.....	865.00	9,830.91	.....	516	122	12	.....	650	24.5	245.3
.....	5,710.00	23,018.58	.....	1,480	224	52	3	1,759	23.8	4,144.8
.....	747.00	246.39	.....	326	135	10	.....	471	26.8	282.8
.....	429.00	.....	404.01	77	29	5	.....	111	23.4	113.1
.....	1,068.00	1,861.96	.....	393	127	20	.....	540	20.3	332.0
.....	5,036.02	10,643.51	.....	2,655	519	116	.....	3,290	27.5	1,967.8
.....	292.00	1,482.90	.....	136	41	2	.....	179	22.5	86.3
571.01	860.00	.....	1,431.01	484	100	33	.....	617	15.9	553.3
44.41	253.00	.....	297.41	128	22	.....	.....	150	23.8	83.7
.....	451.00	3,084.17	.....	237	65	8	.....	310	27.0	120.6
529.85	127.00	.....	656.85	29	8	.....	.....	37	.....	13.4
.....	289.00		145.90	77	45	2	.....	124	.....	37.5
.....	638.00	779.56	.....	256	87	11	.....	354	31.6	277.4
.....	536.00	248.73	.....	209	55	8	.....	272	28.1	158.0
.....	205.00	70.52	.....	103	29	3	.....	135	.....	52.9
78.66	377.00	.....	455.66	96	39	5	.....	140	28.5	52.2
458.74	443.00	.....	901.74	165	60	5	.....	230	28.6	151.2
608.27	217.00	.....	825.27	44	13	2	.....	59	.....	23.6
170.29	298.00	.....	468.29	110	44	4	.....	158	30.2	50.9
.....	369.00	3,408.95	.....	226	78	15	.....	319	15.0	128.7
.....	300.00	.....	146.97	145	34	.....	.....	179	12.3	73.7
.....	160.00	.....	66.65	100	19	3	.....	122	.....	44.2
.....	1,884.00	2,712.08	.....	452	153	24	.....	629	26.0	229.2
.....	140.00	1,240.43	.....	94	26	3	.....	123	27.5	54.0
11547.27	43,987.02	83,858.71	20690.22	16,637	4,162	605	115	21,519	.....	18,028.6

STATEMENT

Condensed Operating Reports of Electrical Departments

ST. LAWRENCE

Municipality	Population	Cost of power purchased	Cost of operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Alexandria	2,217	21,205.04	2,564.89	4,792.76	28,562.69	29,248.70	686.01
Apple Hill	P.V.	1,551.99	333.96	533.13	2,419.08	2,597.38	178.30
Brockville	9,202	51,532.08	20,119.07	13,154.40	84,805.55	107,676.82	22,871.27
Chesterville	1,010	11,120.00	1,693.23	469.91	13,283.14	16,594.39	3,311.25
Lancaster	585	4,674.55	326.79	1,217.81	6,219.15	4,711.80	.....
Martintown	P.V.	915.02	104.49	468.11	1,487.62	1,647.65	160.03
Maxville	758	4,788.14	660.70	1,476.81	6,925.65	7,077.00	151.35
Prescott	2,605	12,351.53	7,666.11	1,335.90	21,353.54	22,783.18	1,429.64
Williamsburg	P.V.	1,816.40	224.59	221.09	2,262.08	2,087.81	.....
Winchester	1,072	6,711.51	2,109.94	607.19	9,428.64	9,538.97	110.33
Total	18,949	116,666.26	35,803.77	24,277.11	176,747.14	203,963.70	28,898.18

RIDEAU

Carleton Place	4,328	44,681.66	6,673.57	4,714.06	56,069.29	54,780.76	.....
Kemptville	1,246	10,752.95	2,784.78	1,836.78	15,374.51	14,551.34	.....
Lanark	613	3,138.13	323.66	622.92	4,084.71	3,909.23	.....
Perth	3,639	30,555.40	6,460.19	6,271.43	43,287.02	42,908.58	.....
Smiths Falls	6,795	39,517.80	10,474.88	16,072.97	66,065.65	67,752.13	1,686.48
Total	16,621	128,645.94	26,717.08	29,518.16	184,881.18	183,902.04	1,686.48

THUNDER BAY

Nipigon	P.V.	1,140.91	248.25	884.42	2,273.58	3,156.87	883.29
Port Arthur	16,351	495,184.02	99,171.38	27,948.27	622,303.67	698,158.46	75,854.79
Total	16,851	496,324.93	99,419.63	28,832.69	624,577.25	701,315.33	76,738.08

OTTAWA

Ottawa	118,700	160,348.65	148,245.75	61,551.61	370,146.01	457,580.13	87,434.12

"B"—Continued

of Hydro Municipalities for Year Ended December 31, 1925

SYSTEM

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horsepower taken in Dec., 1925
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	910.00	.....	223.99	246	93	19	.....	358	16.1	250.0
.....	112.00	66.30	.....	33	17	1	.....	51	.....	25.8
.....	3,453.00	19,418.27	.....	2,017	394	66	113	2,590	28.1	1,422.4
.....	397.00	2,914.25	.....	177	62	3	.....	242	23.9	178.9
1,507.35	198.00	.....	1,705.35	75	26	.....	.....	101	17.2	34.0
.....	93.00	67.03	.....	26	13	.....	2	41	.....	16.2
.....	369.00	.....	217.65	117	44	2	.....	163	21.5	40.2
.....	739.00	690.64	.....	544	141	23	.....	708	27.1	432.8
174.27	92.00	.....	266.27	46	16	1	.....	63	.....	24.1
.....	429.00	.....	318.67	249	57	3	.....	309	28.8	164.9
1,681.62	6,792.00	23,156.49	2,731.93	3,530	863	118	115	4,626	.....	2,589.3

SYSTEM

1,288.53	1,568.00	.....	2,856.53	827	177	14	.....	1,018	23.5	838.1
823.17	559.00	.....	1,382.17	241	69	6	.....	316	25.3	179.6
175.48	159.00	.....	334.48	91	33	2	.....	126	20.5	42.9
378.44	2,074.00	.....	2,452.44	733	185	22	.....	940	25.8	703.3
.....	4,395.00	.....	2,708.52	1,479	243	41	.....	1,763	25.9	926.2
2,665.62	8,755.00	.....	9,734.14	3,371	707	85	.....	4,163	.....	2,690.1

SYSTEM

.....	220.00	663.29	.....	72	29	.....	.....	101	.....	41.5
.....	18,481.82	57,372.97	.....	3,413	668	81	.....	4,162	25.4	27,909.0
.....	18,701.82	58,036.26	.....	3,485	697	81	.....	4,263	.....	27,950.5

SYSTEM

.....	51,379.00	36,055.12	.....	11,155	1,451	207	.....	12,813	10.7	15,617.0

STATEMENT

Condensed Operating Reports of Electrical Departments

TRENT

Municipality	Population	Power purchased	Operation and maintenance	Debenture charges and interest	Total cost of operation	Revenue	Gross surplus
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Bloomfield...	628	4,229.19	527.63	770.69	5,527.51	7,889.77	2,362.26
Havelock....	1,229	7,648.64	1,474.43	2,747.62	11,870.69	14,409.85	2,539.16
Kingston....	21,659	81,105.17	64,495.62	22,587.76	168,188.55	233,163.07	64,974.52
Lakefield....	1,189	6,263.58	1,637.05	2,529.39	10,430.02	11,935.19	1,505.17
Marmora....	763	2,203.22	536.66	1,454.60	4,194.48	6,162.66	1,968.18
Norwood....	765	3,171.01	1,140.75	2,713.16	7,024.92	8,429.04	1,404.12
Omemee.....	464	5,682.28	519.29	1,046.24	7,247.81	7,467.70	219.89
Peterboro'...	21,661	121,630.66	51,850.08	33,492.46	206,973.20	219,499.32	12,526.12
Picton.....	3,108	20,079.69	8,227.70	499.67	28,807.06	35,040.18	6,233.12
Warkworth..	P.V.	2,054.20	304.91	731.23	3,090.34	4,439.36	1,349.02
Wellington...	790	4,537.02	954.74	1,263.56	6,755.32	9,936.51	3,181.19
Whitby.....	4,360	17,096.55	6,221.09	3,572.69	26,890.33	34,654.02	7,763.69
Total...	57,116	275,701.21	137,889.95	73,409.07	487,000.23	593,026.67	106,026.44

ALL SYSTEMS

System							
Niagara.....	1332912	9,435,480.05	3,804,267.52	2,984,053.60	16,223,801.17	17,907,071.14	1,685,203.54
Georgian Bay	86,647	603,630.49	117,956.71	99,009.67	820,596.87	927,752.38	118,702.78
St. Lawrence.	18,949	116,666.26	35,803.77	24,277.11	176,747.14	203,963.70	28,898.18
Rideau.....	16,621	128,645.94	26,717.08	29,518.16	184,881.18	183,902.04	1,686.48
Thunder Bay.	16,851	496,324.93	99,419.63	28,832.69	624,577.25	701,315.33	76,738.08
Ottawa.....	117,239	160,348.65	148,245.75	61,551.61	370,146.01	457,580.13	87,434.12
Trent.....	57,116	275,701.21	137,889.95	73,409.07	487,000.23	593,026.67	106,026.44
Grand Total.	1646335	11,216,797.53	4,370,300.41	3,300,651.91	18,887,749.85	20,974,611.39	2,104,689.62

NOTE.—Police Villages taken as 500 population.

"B"—Concluded

of Hydro Municipalities for Year Ended December 31, 1925

SYSTEM

Gross deficit	Depreciation	Net surplus	Net deficit	Number of consumers					Per cent of consumers to population	Horse-power taken in Dec., 1925
				Dom. light	Com'l light	Power	Rural	Total		
$ c.	$ c.	$ c.	$ c.							
.....	280.00	2,802.26	.....	131	22	8	.....	161	25.6	68.3
.....	620.00	1,919.16	.....	280	53	3	.....	336	27.3	214.5
.....	10,881.00	54,093.52	.....	4,593	825	136	.....	5,554	25.6	3,533.5
.....	648.00	857.17	.....	216	66	3	.....	285	23.1	146.7
.....	368.00	1,600.18	.....	140	42	3	.....	185	24.2	73.2
.....	728.00	676.12	.....	190	64	3	.....	257	33.5	75.2
.....	392.00	.....	172.11	123	36	7	.....	166	35.7	152.0
.....	11,224.00	1,302.12	.....	4,920	802	131	567	6,420	29.6	5,403.4
.....	1,108.00	5,125.12	.....	845	183	45	.....	1,073	34.5	539.5
.....	130.00	1,219.02	.....	68	32	.....	.....	100	.....	38.8
.....	472.00	2,709.19	.....	228	47	8	.....	283	35.8	101.0
.....	1,265.00	6,498.69	.....	684	125	12	6	827	19.1	764.0
.....	28,116.00	78,082.55	172.11	12,418	2,297	359	573	15,647	.....	11,110.1

—SUMMARY

1,933.57	921,887.58	819,545.96	58,163.57	283,184	46,432	9,078	331	339,025	.....	403,858.8
11547.27	43,987.02	83,858.71	20,690.22	16,637	4,162	605	115	21,519	.....	18,028.6
1,681.62	6,792.00	23,156.49	2,731.93	3,530	863	118	115	4,626	.....	2,589.3
2,665.62	8,755.00	.....	9,734.14	3,371	707	85	.....	4,163	.....	2,690.1
.....	18,701.82	58,036.26	.....	3,485	697	81	.....	4,263	.....	27,950.5
.....	51,379.00	36,055.12	.....	11,155	1,451	207	.....	12,813	.....	15,617.0
.....	28,116.00	78,082.55	172.11	12,418	2,297	359	573	15,647	.....	11,110.1
17828.08	1079618.42	1,098,735.09	91,491.97	333,780	56,609	10533	1,134	402,056	.....	481,844.4

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM

Municipality	Acton	Agincourt P.V.	Ailsa Craig	Alvinston	Ancaster Township
Population	1,872		526	624	5,316
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	6,696.33	2,615.82	1,668.63	2,977.30	11,582.06
Commercial light service	2,934.13	500.18	982.22	2,087.49	1,556.65
Commercial power service	11,099.57	924.09	1,729.62	3,664.70	546.26
Municipal power service	768.88	.....	.....	434.16	.....
Street lighting	2,142.00	742.00	672.00	1,720.00	840.00
Rural service	.....	.....	88.42	.....	.....
Miscellaneous	938.03	.....	201.42	113.57	.....
Total earnings	24,578.94	4,782.09	5,342.31	10,997.22	14,524.97
EXPENSES					
Power purchased	15,693.29	1,978.10	3,614.70	7,141.69	6,623.19
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,830.04	126.12	56.42	133.49	1,018.66
Line transformer maintenance	43.54	.....	.....	.....	.....
Meter maintenance	30.81	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	198.88	69.35	63.44	37.07	158.41
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	1,627.77	247.62	217.30	498.13	1,423.94
Undistributed expenses	349.91	.....	.....	.....	.....
Interest	159.92	431.46	165.96	1,187.45	1,200.39
Sinking fund and principal payments on debentures	439.66	342.24	180.45	984.74	287.77
Total expenses	20,373.82	3,194.89	4,298.27	9,982.57	10,712.36
Gross surplus	4,205.12	1,587.20	1,044.04	1,014.65	3,812.61
Gross loss	.....	.....	.....	.....	.....
Depreciation	847.00	200.00	354.00	465.00	940.00
Net surplus	3,358.12	1,387.20	690.04	549.65	2,872.61
Net loss	.....	.....	.....	.....	.....

"C"

Hydro Municipalities for Year Ended December 31, 1925

Aylmer 2,198	Ayr 808	Baden P.V.	Barton Township 7,222	Beachville P.V.	Belle River 590	Blenheim 1,550	Blyth 618
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
6,757.07	2,569.24	1,674.38	19,288.73	1,247.76	3,622.26	5,558.15	3,213.00
4,984.96	1,022.31	570.18	2,290.86	706.04	1,283.73	3,560.44	1,424.70
5,500.96	846.48	8,125.62	5,523.29	14,286.78	440.66	8,332.17	371.98
1,883.79	.....	.....	.....	.....	.....	.....	.....
2,624.80	1,126.98	549.00	3,736.00	495.00	1,098.00	2,482.00	2,507.70
.....	.....	.....	.....	.....	.....	.....	.....
851.53	110.35	.....	.....	400.00	.....	.....	89.45
22,603.11	5,675.36	10,919.18	30,838.88	17,135.58	6,444.65	19,932.76	7,606.83
13,462.30	2,895.40	9,542.54	15,008.48	13,537.78	2,701.86	12,532.67	3,818.19
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
2,173.66	718.49	264.77	836.60	262.58	271.25	1,072.27	1.50
.....	.....	.....	.44	.....	.....	.....	.....
.....	.....	15.50	22.92	41.30	.....	.....	24.05
.....	.....	.....	.....	.....	.....	.....	.....
125.59	120.09	63.96	76.45	60.16	27.54	250.83	31.10
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	1,137.07	.....	.....	.....	.....
1,313.17	351.41	504.87	3,370.16	340.17	196.30	921.50	540.79
.....	.....	.....	471.80	.....	.....	293.35	.....
1,673.87	296.64	117.22	4,762.65	214.44	424.57	649.20	1,106.65
834.05	780.18	141.91	3,854.03	150.96	244.93	299.17	647.91
19,582.64	5,162.21	10,650.77	29,540.60	14,607.39	3,866.45	16,018.99	6,170.19
3,020.47	513.15	268.41	1,298.28	2,528.19	2,578.20	3,913.77	1,436.64
.....	.....	.....	.....	.....	.....	.....	.....
851.00	437.00	254.00	1,915.00	493.00	312.00	865.00	262.00
2,169.47	76.15	14.41	.....	2,035.19	2,266.20	3,048.77	1,174.64
.....	.....	.....	616.72	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Bolton	Bothwell	Brampton	Brantford	Brantford Township
Population	642	635	4,778	29,148	7,342
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	2,419.21	2,754.06	21,811.36	104,543.16	13,643.14
Commercial light service	1,159.80	1,441.77	9,861.31	26,198.41	3,425.86
Commercial power service	3,495.39	6,837.81	16,922.45	102,442.05	2,489.12
Municipal power service	.....	163.78	2,612.00	28,939.79	.....
Street lighting	880.08	1,157.04	4,369.50	35,315.12	4,289.36
Rural service	.....	.....	.....	1,650.02	.....
Miscellaneous	.....	322.33	1,337.85	1.83	158.49
Total earnings	7,954.48	12,676.79	56,914.47	299,090.38	24,005.97
EXPENSES					
Power purchased	4,889.57	7,200.85	36,052.49	211,675.27	8,279.78
Substation operation	.....	.....	48.20	4,817.62	.....
Substation maintenance	.....	.....	4.02	1,054.23	.....
Distribution system, operation and maintenance	23.80	162.96	1,413.61	2,965.64	642.17
Line transformer maintenance	.....	.....	.....	1,241.18	13.28
Meter maintenance	.....	.....	99.23	798.09	45.75
Consumers' premises expenses	.....	.....	.....	314.53	.....
Street lighting, operation and maintenance	21.22	47.42	431.80	5,407.48	302.27
Promotion of business	.....	.....	.....	1,809.30	.....
Billing and collecting	.....	.....	1,696.26	5,843.98	.....
General office, salaries and expenses	655.08	789.41	2,436.68	8,051.65	3,457.09
Undistributed expenses	.....	.....	302.47	6,849.24	1,334.16
Interest	527.15	939.57	2,043.39	21,164.93	2,124.17
Sinking fund and principal payments on debentures	358.05	106.85	2,903.17	19,221.00	2,294.61
Total expenses	6,474.87	9,247.06	47,431.32	291,214.14	18,493.28
Gross surplus	1,479.61	3,429.73	9,483.15	7,876.24	5,512.69
Gross loss	.....	.....	.....	.....	.....
Depreciation	505.00	452.00	1,324.00	15,139.00	1,569.00
Net surplus	974.61	2,977.73	8,159.15	.....	3,943.69
Net loss	.....	.....	.....	7,262.76	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Brigden P.V.	Brussels 905	Burford P.V.	Burgessville P.V.	Caledonia 1,350	Campbellville P.V.	Cayuga 773	Chatham 14,182
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,238.70	5,246.35	4,100.51	1,000.68	2,055.75	916.02	1,536.32	61,478.41
1,492.59	2,496.48	1,210.50	399.79	3,041.86	345.58	1,950.07	39,162.33
4,801.50	562.22	1,470.49	999.46	2,630.08	.....	2,888.45	68,580.35
.....	.....	.....	.....	.....	.....	.....	3,558.00
864.00	2,640.00	960.00	336.00	1,157.40	420.00	1,767.78	15,823.29
.....	.....	.....	.....	.....	.....	.....	.....
50.00	8.28	.....	.....	.....	.....	.....	1,897.18
9,446.79	10,953.33	7,741.50	2,735.93	8,885.09	1,681.60	8,142.62	190,499.56
4,899.16	5,658.79	3,925.87	1,779.07	5,417.39	990.75	4,527.60	94,400.50
.....	.....	.....	.....	.....	.....	.....	6,625.63
.....	.....	.....	.....	.....	.....	.....	913.50
349.11	226.82	229.97	5.50	310.30	.....	101.62	4,511.20
.....	.....	.....	.....	.....	.....	.....	459.88
.....	.....	.....	.....	126.10	.....	21.51	979.16
.....	.....	.....	.....	.....	.....	.....	29.58
31.53	130.60	87.67	5.00	81.52	9.85	.....	3,860.42
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	6,587.87
405.29	435.94	534.58	72.38	642.62	132.08	440.20	11,991.96
.....	.....	12.03	.....	.....	.....	.....	5,120.43
167.21	1,120.73	334.63	117.29	505.36	311.86	1,393.14	14,430.83
176.05	635.39	561.09	160.84	151.00	161.37	573.59	6,946.53
6,028.35	8,208.27	5,685.84	2,140.08	7,234.29	1,605.91	7,057.66	156,857.49
3,418.44	2,745.06	2,055.66	595.85	1,650.80	75.69	1,084.96	33,642.07
.....	.....	.....	.....	.....	.....	.....	.....
242.00	394.00	327.00	124.00	416.00	73.00	398.00	9,270.00
3,176.44	2,351.06	1,728.66	471.85	1,234.80	2.69	686.96	24,372.07
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Chippawa	Clifford	Clinton	Comber P.V.	Courtright
Population	1,087	511	1,940		429
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	4,086.18	1,681.12	8,281.81	1,826.85	2,054.80
Commercial light service	1,202.82	1,274.30	4,499.09	1,655.10	1,064.08
Commercial power service	689.82	151.36	7,548.04	4,588.20	.....
Municipal power service	2,714.05	.....	1,017.00	.....	.....
Street lighting	904.50	1,325.02	1,940.25	654.37	1,230.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	180.97	.....	587.16	.....	.....
Total earnings	9,778.34	4,431.80	23,873.35	8,724.52	4,348.88
EXPENSES					
Power purchased	4,978.17	2,194.64	13,274.38	7,752.82	2,329.71
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	268.17	18.15	360.38	159.57	21.40
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	245.25	29.10	212.06	64.53	9.75
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	781.68	249.18	2,698.50	484.80	210.20
Undistributed expenses	.....	.....	7.28	.....	.....
Interest	780.18	435.89	2,078.69	218.58	460.49
Sinking fund and principal payments on debentures	451.69	110.45	972.49	379.40	372.34
Total expenses	7,505.14	3,037.41	19,603.78	9,059.70	3,403.89
Gross surplus	2,273.20	1,394.39	4,269.57	.....	944.99
Gross loss	.....	.....	.....	335.18	.....
Depreciation	479.00	161.00	1,287.00	286.00	141.00
Net surplus	1,794.20	1,233.39	2,982.57	.....	803.99
Net loss	.....	.....	.....	621.18	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Dashwood P.V.	Delaware P.V.	Dorchester P.V.	Drayton 540	Dresden 1,433	Drumbo P.V.	Dublin P.V.	Dundas 5,119
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,061.15	779.06	1,814.25	2,486.72	3,832.34	1,227.12	678.60	17,047.86
722.61	506.90	450.43	1,746.35	3,049.70	718.79	592.05	8,011.12
1,299.98	.....	943.96	1,782.50	4,332.10	1,352.69	1,093.46	20,288.75
.....	.....	.....	.....	412.53	.....	.....	411.01
615.00	324.00	416.00	1,020.00	1,726.68	532.00	720.00	3,861.09
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	225.18	.....	542.95	42.43	.....	911.60
3,698.74	1,609.96	3,849.82	7,035.57	13,896.30	3,873.03	3,084.11	50,532.43
2,958.33	686.34	2,590.18	4,300.12	7,409.32	2,553.14	2,047.68	32,461.12
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	34.48
9.95	35.26	200.85	197.48	2,109.03	570.60	15.15	3,950.20
.....	.....	.....	.....	.....	.....	.....	205.70
.....	.....	.....	5.60	.....	.....	.....	453.07
.....	.....	.....	.....	.....	.....	.....	.....
22.62	.....	40.94	94.16	335.95	27.85	35.00	855.39
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	1,193.31
251.36	117.07	328.52	235.11	977.62	84.87	154.64	1,704.45
.....	.....	.....	.....	.....	.....	.....	1,894.76
165.70	168.84	179.34	225.52	433.15	182.40	283.65	2,143.09
72.02	98.08	100.38	180.61	907.48	110.33	285.17	1,388.63
3,479.98	1,105.59	3,440.21	5,238.60	12,172.55	3,529.19	2,821.29	46,284.20
218.76	504.37	409.61	1,796.97	1,723.75	343.84	262.82	4,248.23
.....	.....	.....	.....	.....	.....	.....	.....
116.00	104.00	284.00	326.00	654.00	178.00	173.00	3,030.00
102.76	400.37	125.61	1,470.97	1,069.75	165.84	89.82	1,218.23
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Dunnville	Dutton	Elmira	Elora	Embro
Population	3,434	813	2,405	1,079	467
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	5,816.53	2,485.31	8,785.27	3,684.19	1,954.62
Commercial light service	8,416.77	2,146.85	4,260.03	2,883.37	1,027.61
Commercial power service	8,619.53	3,417.40	12,982.55	8,486.61	1,793.41
Municipal power service	2,671.68	.....	300.00	.....	.....
Street lighting	4,715.04	1,020.24	2,130.00	1,501.80	768.18
Rural service	.....	.....	.....	.....	.....
Miscellaneous	334.70	328.47	188.50	401.61	55.00
Total earnings	30,574.25	9,398.27	28,646.35	16,957.58	5,598.82
EXPENSES					
Power purchased	16,857.57	5,678.39	21,794.29	11,239.54	3,438.16
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,463.48	139.98	1,764.80	2,157.07	202.29
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	11.75	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	27.42	100.68	79.81	139.00	65.54
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	3,125.07	907.87	2,080.66	1,271.35	156.98
Undistributed expenses	.....	.....	.....	.....	.....
Interest	3,788.38	432.88	804.46	426.50	380.16
Sinking fund and principal payments on debentures	1,582.50	213.70	480.23	490.40	272.84
Total expenses	26,844.42	7,473.50	27,004.25	15,735.61	4,515.97
Gross surplus	3,729.83	1,924.77	1,642.10	1,221.97	1,082.85
Gross loss	.....	.....	.....	.....	.....
Depreciation	1,998.00	413.00	1,259.00	160.00	313.00
Net surplus	1,731.83	1,511.77	383.10	1,061.97	769.85
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Erieau	Essex	Etobicoke Township	Exeter	Fergus	Ford City	Forest	Galt
80	1,540	12,594	1.527	1,765	6,781	1,462	12,880
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,632.85	7,258.21	58,371.53	6,246.82	5,805.04	47,527.37	6,922.65	83,531.31
1,024.05	5,528.92	11,044.71	3,019.59	3,130.18	13,225.31	3,654.41	30,382.72
.....	3,268.92	12,523.97	6,332.23	6,672.93	40,404.54	4,775.87	73,946.23
.....	1,176.70	1,510.20	615.88	595.35	.....	93.95	8,182.54
439.99	1,703.69	10,495.05	2,079.72	2,451.76	1,992.15	2,545.40	20,819.25
.....	.....	.....	.....	.....	.....	.....	.....
.....	44.00	139.27	505.06	.....	.....	1,010.99	3,000.00
3,096.89	18,980.44	94,084.73	18,799.30	18,655.26	103,149.37	19,003.27	219,862.05
1,546.52	6,775.57	35,770.29	12,277.71	11,065.84	56,468.21	8,714.15	131,189.35
.....	.....	.....	.....	.....	.....	.....	5,345.21
.....	.....	.....	.....	.....	.....	.....	362.11
45.26	114.07	7,164.94	202.41	2,332.43	5,637.72	1,897.19	3,243.40
.....	13.67	228.25	.....	.....	.....	.....	673.74
.....	162.53	549.77	.....	3.30	.....	.....	237.90
.....	.....	.....	.....	.....	.....	.....	.....
13.45	57.56	1,079.26	269.19	110.85	543.65	116.46	3,227.52
.....	.....	.....	.....	.....	.....	.....	.....
.....	133.18	6,868.98	.....	.....	.....	.....	2,614.59
191.75	2,374.45	4,182.91	2,287.44	1,434.32	6,252.34	2,203.22	4,982.35
.....	379.93	3,833.88	.....	216.51	.....	.....	6,587.29
450.16	1,156.62	11,063.35	508.90	1,384.27	6,404.70	1,157.88	28,863.34
203.88	310.62	3,961.92	650.08	1,503.19	3,390.67	1,291.78	16,336.89
2,451.02	11,478.20	74,703.55	16,195.73	18,050.71	78,697.29	15,380.68	203,663.69
645.87	7,502.24	19,381.18	2,603.57	604.55	24,452.08	3,622.59	16,198.36
.....	.....	.....	.....	.....	.....	.....	.....
144.00	832.00	6,586.00	820.00	955.00	3,139.00	911.00	14,694.52
501.87	6,670.24	12,795.18	1,783.57	.....	21,313.08	2,711.59	1,503.84
.....	.....	.....	.....	350.45	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Georgetown	Glencoe	Goderich	Granton P.V.	Guelph
Population	1,971	751	4,224		18,875
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	6,880.09	3,422.05	15,533.42	1,272.27	70,475.79
Commercial light service	4,206.68	2,069.09	9,913.00	557.69	35,789.92
Commercial power service	13,941.01	3,982.52	21,171.97	1,672.37	96,721.28
Municipal power service	1,238.60	.....	4,410.77	.....	19,262.68
Street lighting	2,202.00	2,091.00	4,245.00	422.50	12,463.09
Rural service	2,030.00	.....	.....	.....	.....
Miscellaneous	961.31	17.82	498.55	.....	1,573.97
Total earnings	31,459.69	11,582.48	55,772.71	3,924.83	236,286.73
EXPENSES					
Power purchased	21,288.90	7,279.41	34,351.80	2,994.95	150,133.58
Substation operation	.....	.....	3,253.74	.....	.....
Substation maintenance	.....	.....	.....	.....	3,049.83
Distribution system, operation and maintenance	2,361.24	565.38	1,364.95	2.00	2,056.40
Line transformer maintenance	43.10	.....	136.72	.....	639.78
Meter maintenance	92.22	.....	114.74	.....	3,550.84
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	155.59	104 79	315.03	15.25	4,283.35
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	792.21	.....	5,568.44
General office, salaries and expenses	2,448.00	891.59	2,065.75	186.06	3,748.60
Undistributed expenses	307.77	.....	597.29	.....	4,392.69
Interest	972.74	846.31	2,667.76	183.33	2,840.72
Sinking fund and principal payments on debentures	480.24	639.52	2,062.44	74.79	4,305.13
Total expenses	28,149.80	10,327.00	47,722.43	3,456.38	184,569.36
Gross surplus	3,309.89	1,255.48	8,050.28	468.45	51,717.37
Gross loss	1,417.00	573.00	1,221.00	157.00	10,508.00
Depreciation	.....	.....	.....	.....	.....
Net surplus	1,892.89	682.48	6,829.28	311.45	41,209.37
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Hagersville 1,107	Hamilton 120,945	Harriston 1,273	Harrow P.V.	Hensall 721	Hespeler 2,826	Highgate 394	Humberstone 1,441
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,292.98	428,729.87	4,416.16	3,415.89	3,107.26	9,093.41	1,290.10	4,116.98
3,065.58	112,501.46	3,542.79	2,873.60	1,467.72	3,903.59	1,111.89	2,305.96
21,481.31	277,216.48	5,995.07	2,960.75	3,012.16	18,182.61	2,269.23	1,091.47
.....	58,604.74	611.59	.....	.....	664.76	.....	.....
1,000.00	85,975.89	1,473.27	503.56	975.00	2,002.66	541.00	1,168.88
.....	.....	.....	.....	.....	1,051.35	.....	.....
457.75	22,413.80	.....	.....	.....	407.11	128.59	.....
29,297.62	985,442.24	16,038.88	9,753.80	8,562.14	35,305.49	5,340.81	8,683.29
20,635.86	629,050.05	8,678.59	4,620.28	3,972.98	19,444.52	3,232.71	4,079.73
.....	24,093.96	.....	.....	.....	694.48	.....	.....
.....	2,089.74	.....	.....	.....	.....	.....	.....
2,970.32	23,662.86	706.12	197.15	16.68	1,929.72	102.68	833.31
.....	3,038.61	.....	20.33	.....	.....	.....	.....
.....	14,148.24	.....	68.58	.....	29.22	.....	109.26
.....	7,102.58	.....	.....	.....	.....	.....	.....
181.40	8,439.71	76.50	33.70	76.00	81.95	20.00	77.07
.....	8,599.17	.....	.....	.....	.....	.....	.....
.....	34,236.81	.....	.....	.....	.....	.....	.....
1,255.59	39,463.72	745.47	350.31	592.08	1,633.64	374.84	527.59
295.67	13,654.20	62.50	.....	.....	522.28	.....	.....
254.31	101,102.92	702.74	689.29	520.42	1,668.74	235.43	1,680.08
252.99	73,172.05	887.84	326.20	284.66	1,978.02	111.17	800.00
25,846.14	981,854.62	11,859.76	6,305.74	5,462.82	27,982.57	4,076.83	8,107.04
3,451.48	3,587.62	4,179.12	3,448.06	3,099.32	7,322.92	1,263.98	576.25
626.00	40,295.67	620.00	413.00	405.00	1,505.00	212.00	551.00
.....	.....	.....	.....	.....	.....	.....	.....
2,825.48	.....	3,559.12	3,035.06	2,694.32	5,817.92	1,051.98	25.25
.....	36,708.05	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Ingersoll	Jarvis	Kingsville	Kitchener	Lambeth P.V.
Population	4,932	466	2,215	24,280	
EARNINGS	$ c.	$ c.	$ c.	$ c.	$ c.
Domestic service	24,311.05	1,294.05	11,991.33	110,781.46	2,507.09
Commercial light service	10,697.28	1,416.89	7,807.01	58,474.54	800.58
Commercial power service	23,844.28	5,261.63	4,032.10	196,895.16	.....
Municipal power service	1,104.08	.....	445.73	29,190.30	306.74
Street lighting	5,289.49	836.67	2,337.10	31,776.67	545.66
Rural service	.....	.....	.....	.....	.....
Miscellaneous	1,384.65	.....	538.32	7,516.81	.....
Total earnings	66,630.83	8,809.24	27,151.59	434,634.94	4,160.07
EXPENSES					
Power purchased	42,003.06	4,979.23	11,543.03	282,269.62	3,118.52
Substation operation	802.54	.....	.....	8,393.51	.....
Substation maintenance	.....	.....	.....	4,468.12	.....
Distribution system, operation and maintenance	2,148.96	37.03	3,098.27	11,802.49	76.18
Line transformer maintenance	159.83	.....	84.45	491.86	.....
Meter maintenance	306.32	.....	18.75	3,072.90	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	609.68	4.20	77.98	6,478.54	66.49
Promotion of business	.....	.....	.....	1,002.54	.....
Billing and collecting	1,810.33	.....	854.80	7,239.91	.....
General office, salaries and expenses	1,737.81	487.39	587.24	8,332.62	183.78
Undistributed expenses	1,413.49	.....	565.72	10,928.60	.....
Interest	2,517.13	673.04	2,010.00	21,767.93	179.96
Sinking fund and principal payments on debentures	1,677.35	317.69	423.74	17,193.47	85.48
Total expenses	55,186.50	6,498.58	19,263.98	383,442.11	3,710.41
Gross surplus	11,444.33	2,310.66	7,887.61	51,192.83	449.66
Gross loss	.....	.....	.....	.....	.....
Depreciation	3,006.00	250.00	1,038.00	18,646.00	210.00
Net surplus	8,438.33	2,060.66	6,849.61	32,546.83	239.66
Net loss	.....	.....	.....	.....	.....

" C "—Continued

Hydro Municipalities for Year Ended December 31, 1925

Leaming-ton 4,001	Listowel 2,389	London 61,867	London Township 6,947	Louth Township 2,480	Lucan 614	Lynden P.V.	Markham 950
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
17,849.69	9,174.81	284,153.07	6,599.34	.....	2,974.33	1,292.74	3,807.82
13,207.03	5,003.83	124,697.36	748.87	.....	1,032.73	589.93	1,593.25
4,883.75	8,825.67	313,307.76	101.91	.....	2,756.72	4,723.38	2,363.94
2,051.77	1,358.04	27,735.69	.....	.....	.....	.....	195.41
5,959.90	3,720.00	40,146.43	383.26	.....	1,005.00	396.00	1,717.00
.....	.....	88.19	.....	2,008.35	193.98	.....	.....
1,027.32	213.91	15,864.11	131.21	.....	423.29	.....	127.18
44,979.46	28,296.26	805,992.61	7,964.59	2,008.35	8,386.05	7,002.05	9,804.60
16,238.67	16,820.85	479,681.46	4,425.55	274.51	5,785.81	5,468.94	4,799.66
.....	.....	14,870.05	.....	.....	.....	.....	.....
.....	.....	9,792.96	.....	.....	.....	.....	.....
3,285.39	300.61	6,187.84	184.98	142.72	962.15	15.85	1,298.14
23.11	84.87	2,834.50	.....	.....	.....	.....	.....
51.14	127.16	8,829.10	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
393.75	400.64	6,024.44	49.50	.....	119.24	22.16	54.98
.....	.....	5,448.52	.....	.....	.....	.....	.....
128.67	.....	17,506.28	.....	.....	.....	.....	.....
2,625.48	3,642.34	37,629.21	463.92	216.40	516.14	220.63	783.09
1,009.09	.....	23,291.68	.....	.....	.....	.....	.....
2,880.00	1,496.39	70,751.66	750.36	449.03	389.49	188.91	454.12
1,304.86	2,401.22	50,375.71	456.11	66.70	428.96	100.47	726.86
27,940.16	25,274.08	733,223.41	6,330.42	1,149.36	8,201.79	6,016.96	8,116.85
17,039.30	3,022.18	72,769.20	1,634.17	858.99	184.26	985.09	1,687.75
.....	.....	.....	.....	.....	.....	.....	.....
1,662.00	1,554.00	64,840.23	364.00	109.13	440.00	174.00	424.00
15,377.30	1,468.18	7,928.97	1,270.17	749.86	.....	811.09	1,263.75
.....	.....	.....	.....	.....	255.74	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Merlin P.V.	Merritton	Milton	Milverton	Mimico
Population		2,574	1,950	1,059	4,486
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	1,949.79	9,094.40	8,523.77	3,220.64	30,071.86
Commercial light service	1,239.45	2,364.56	4,673.28	2,111.96	6,446.78
Commercial power service	4,316.26	9,375.00	30,350.12	11,483.15	5,939.96
Municipal power service	.....	.....	.....	294.99	4,709.66
Street lighting	780.00	2,822.50	2,160.67	1,054.08	4,245.48
Rural service	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	260.03	.....	.....
Total earnings	8,285.50	23,656.46	45,967.87	18,164.82	51,413.74
EXPENSES					
Power purchased	4,884.73	13,208.21	33,556.34	13,899.98	30,376.67
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	138.74	3,649.07	2,175.90	173.25	6,490.96
Line transformer maintenance	.....	.....	104.55	.....	.....
Meter maintenance	.....	.....	169.97	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	33.75	203.66	218.56	144.30	279.22
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	349.81	1,706.03	1,331.37	724.86	3,503.95
Undistributed expenses	.....	.....	545.15	.....	38.90
Interest	731.89	275.35	2,217.27	357.17	4,902.57
Sinking fund and principal payments on debentures	421.49	660.16	1,086.20	441.21	2,755.75
Total expenses	6,560.41	19,702.48	41,405.31	15,740.77	48,348.02
Gross surplus	1,725.09	3,953.98	4,562.56	2,424.05	3,065.72
Gross loss	.....	.....	.....	.....	.....
Depreciation	250.00	851.00	1,263.00	499.00	3,141.00
Net surplus	1,475.09	3,102.98	3,299.56	1,925.05	.....
Net loss	.....	.....	.....	.....	75.28

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Mitchell 1,731	Moorefield P.V.	Mount Brydges	Newbury 286	New Hamburg 1,441	New Toronto 3,917	Niagara Falls 15,936	Niagara on-the-Lake 1,626
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
7,325.74	994.74	1,731.51	782.53	4,733.43	16,565.24	104,518.63	6,587.95
3,699.08	686.71	536.55	543.00	2,532.56	6,405.95	39,186.70	2,516.83
6,688.19	1,536.65	960.96	709.85	10,476.89	81,318.43	48,670.79	991.66
933.33	.....	.....	.....	.....	12,300.60	15,005.02	1,290.83
2,233.00	475.00	520.00	828.00	2,760.00	4,270.00	24,055.26	2,333.11
.....	.....	.....	.....	.....	.....	.....	.....
775.52	.....	.....	.....	810.43	.....	1,118.21	.....
21,654.86	3,693.10	3,749.02	2,863.38	21,313.31	120,860.22	232,554.61	13,720.38
10,528.66	2,405.87	1,809.13	1,469.48	13,993.98	91,474.27	119,468.16	6,843.27
.....	.....	.....	.....	.....	.....	6,381.46	.....
286.49	.....	.....	.....	.....	.....	.....	.....
690.55	90.23	42.91	.....	1,058.37	5,472.56	5,978.82	1,987.31
.....	.....	.....	.....	56.73	.....	683.70	.....
.....	.....	.....	.....	89.60	.....	3,755.37	.....
.....	.....	.....	.....	.....	.....	.....	.....
243.05	51.36	44.20	14.98	181.12	347.79	5,026.91	201.42
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	4,526.09	.....
2,277.31	70.05	262.87	202.95	1,426.98	6,046.57	8,654.02	1,525.09
130.00	.....	.....	.....	110.11	241.86	5,492.44	.....
.....	173.77	174.36	450.79	655.07	82.72	22,981.29	615.09
451.80	184.19	99.53	300.00	536.42	205.99	19,321.54	1,427.20
14,607.86	2,975.47	2,433.00	2,438.20	18,108.38	103,871.76	202,269.80	12,599.38
7,047.00	717.63	1,316.02	425.18	3,204.93	16,988.46	30,284.81	1,121.00
.....	.....	.....	.....	.....	.....	.....	.....
1,879.00	124.00	192.00	189.00	1,041.00	2,130.00	13,885.00	791.00
5,168.00	593.63	1,124.02	236.18	2,163.93	14,858.46	16,399.81	330.00
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Norwich	Oil Springs	Otterville P.V.	Palmerston	Paris
Population	1,316	452		1,525	4,184
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	4,976.97	1,088.30	1,680.73	5,611.40	17,526.95
Commercial light service	2,710.48	825.32	751.09	3,205.82	6,380.94
Commercial power service	2,023.46	10,857.22	1,517.18	4,365.99	16,415.67
Municipal power service	1,040.71	.....	.....	1,731.38	1,225.00
Street lighting	2,459.26	688.00	377.00	2,070.00	5,719.50
Rural service	4,364.37	.....	.....	.....	.....
Miscellaneous	284.92	332.28	180.34	1,459.90	610.56
Total earnings	17,860.17	13,791.12	4,506.34	18,444.49	47,878.62
EXPENSES					
Power purchased	9,612.51	8,711.68	2,610.27	11,020.86	31,167.01
Substation operation	.....	.....	.....	.....	386.50
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	1,970.25	1,545.47	101.25	235.87	4,000.22
Line transformer maintenance	70	.....	.....	.....	.....
Meter maintenance	60.94	.....	.....	.....	75
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	285.48	10.49	22.10	95.22	329.60
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	358.50
General office, salaries and expenses	1,362.31	723.29	504.46	1,712.67	973.06
Undistributed expenses	2,550.46	.....	.....	174.40	868.55
Interest	32.58	685.53	185.65	669.63	790.87
Sinking fund and principal payments on debentures	382.63	707.84	206.68	755.86	2,632.11
Total expenses	16,257.86	12,384.30	3,630.41	14,664.51	41,507.17
Gross surplus	1,602.31	1,406.82	875.93	3,779.98	6,371.45
Gross loss	.....	.....	.....	.....	.....
Depreciation	490.00	514.00	230.00	841.00	3,545.00
Net surplus	1,112.31	892.82	645.93	2,938.98	2,826.45
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Parkhill 1,064	Petrolia 2,709	Plattsville P.V.	Point Edward 1,116	Port Colborne 3,961	Port Credit 1,225	Port Dalhousie 1,417	Port Dover 1,643
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,225.69	9,365.75	1,770.47	4,832.84	17,488.49	6,853.24	9,098.95	4,632.78
1,878.55	6,424.24	869.53	2,285.49	7,560.29	2,405.02	1,738.32	3,408.23
906.88	23,238.73	582.07	18,408.18	6,504.40	1,497.76	3,493.95	2,415.21
541.81	6,471.60	.....	.....	1,945.29	841.00	.....	437.14
1,380.98	3,162.00	593.50	860.00	3,641.54	1,337.72	1,633.50	2,334.00
.....	.....	.....	.....	.....	.....	221.67	.....
.....	1,786.32	.....	.....	523.34	.....	.....	.....
7,933.91	50,448.64	3,815.57	26,386.51	37,663.35	12,934.74	16,186.39	13,227.36
6,678.61	30,405.88	2,901.26	21,805.95	22,133.88	9,180.94	7,303.15	6,598.60
.....	.....	.....	.....	.....	.....	.....	.....
.....	52.95	.....	.....	.....	.....	.....	.....
145.08	2,040.06	23.88	110.70	2,277.21	858.04	1,373.12	305.36
.....	303.42	.....	13.20	3.24	.....	.....	.....
.....	47.26	.....	100.06	394.28	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
26.40	562.83	32.15	205.20	412.79	91.46	108.73	208.22
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
483.80	3,084.41	282.52	720.58	3,667.91	881.22	962.33	625.10
.....	1,326.54	.....	.....	739.05	.....	.....	.....
565.99	1,303.10	261.27	858.09	5,106.85	504.38	998.91	1,433.42
462.75	1,432.26	128.40	593.33	3,315.21	212.00	907.15	1,376.23
8,362.63	40,558.71	3,629.48	24,407.11	38,050.42	11,728.04	11,653.39	10,546.93
.....	9,889.93	186.09	1,979.40	.....	1,206.70	4,533.00	2,680.43
428.72	.....	.....	.....	387.07	.....	.....	.....
496.00	1,930.00	70.00	578.00	2,111.00	770.00	550.00	745.00
.....	7,959.93	116.09	1,401.40	.....	436.70	3,983.00	1,935.43
924.72	.....	.....	.....	2,498.07	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Port Stanley	Preston	Princeton P.V.	Queenston P.V.	Ridgetown
Population	727	5,509			1,957
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	7,755.39	31,274.67	1,796.80	1,806.36	6,855.06
Commercial light service	1,971.94	15,311.19	436.83	118.30	3,619.17
Commercial power service	4,193.04	49,051.06	391.98	657.27	5,730.22
Municipal power service	615.00	1,301.00	.....	.....	848.88
Street lighting	2,145.00	5,593.13	420.00	494.73	2,456.20
Rural service	.....	2,097.71	.....	.....	.....
Miscellaneous	114.55	220.10	.....	.....	1,373.26
Total earnings	16,794.92	104,848.86	3,045.61	3,076.66	20,882.79
EXPENSES					
Power purchased	10,831.81	65,627.80	2,011.73	1,981.49	11,369.90
Substation operation	.....	4,046.81	.....	.....	.....
Substation maintenance	.....	927.54	.....	.....	.....
Distribution system, operation and maintenance	1,884.55	2,948.71	127.66	41.95	1,043.21
Line transformer maintenance	.....	217.15	.....	.....	.....
Meter maintenance	.....	934.12	.....	.....	15.02
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	105.95	357.92	12.85	12.45	237.71
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	1,177.64	.....	.....	.....
General office, salaries and expenses	1,454.05	1,546.99	33.40	279.94	1,834.76
Undistributed expenses	.....	1,320.19	.....	.....	312.84
Interest	450.88	4,136.20	142.06	507.69	562.94
Sinking fund and principal payments on debentures	555.96	4,363.30	87.03	259.03	1,098.27
Total expenses	15,283.20	87,604.37	2,414.73	3,082.55	16,474.65
Gross surplus	1,511.72	17,244.49	630.88	.....	4,408.14
Gross loss	.....	.....	.....	5.89	.....
Depreciation	881.00	5,361.00	130.00	205.00	895.00
Net surplus	630.72	11,883.49	500.88	.....	3,513.14
Net loss	.....	.....	.....	210.89	.....

" C "—Continued

Hydro Municipalities for Year Ended December 31, 1925

Riverside 3,034	Rockwood P.V.	Rodney 706	St. Catharines 21,141	St. Clair Beach 135	St. George P.V.	St. Jacobs P.V.	St. Marys 3,971
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
27,694.58	1,710.07	2,022.59	95,398.87	1,710.54	1,387.55	1,580.39	17,453.33
5,952.55	512.45	1,531.36	19,200.20	3,118.04	584.30	911.13	7,110.77
4,085.62	943.08	3,141.19	58,691.32	533.40	2,301.96	3,069.80	16,555.06
.....	.....	.....	.....	.....	.....	.....	1,828.20
1,872.60	828.00	1,069.20	22,095.74	.....	324.00	480.00	4,157.45
.....	.....	.....	.....	.....	.....	.....	.....
.....	25.50	301.29	1,545.50	.....	411.19	55.00	507.90
39,605.35	4,019.10	8,065.63	196,931.63	5,361.98	5,009.00	6,096.32	47,612.71
16,312.38	2,873.43	4,178.27	118,223.65	1,973.23	3,629.43	3,926.44	31,075.15
.....	.....	.....	4,217.70	.....	.....	.....	1,420.82
.....	.....	.....	.....	.....	.....	.....	21.25
4,126.37	112.31	200.79	15,015.31	569.57	89.76	15.45	1,069.98
.....	.....	.....	1,080.40	.....	.....	.....	139.75
.....	.....	.....	1,698.08	.....	.....	.....	497.26
.....	.....	.....	.....	.....	.....	.....	.....
474.61	34.48	57.04	3,996.37	.....	37.65	64.59	794.54
.....	.....	.....	745.00	.....	.....	.....	.....
.....	.....	.....	5,115.65	.....	.....	.....	881.95
3,574.85	504.79	551.52	10,245.50	178.15	455.22	321.34	2,314.38
.....	.....	.....	4,322.69	.....	.....	.....	1,184.85
3,654.50	.....	404.76	9,615.04	380.69	271.34	252.50	2,523.20
1,718.86	.....	180.08	7,100.41	194.24	141.49	250.34	2,330.43
29,861.57	3,525.01	5,572.46	181,375.80	3,295.88	4,624.89	4,830.66	44,253.56
9,743.78	494.09	2,493.17	15,555.83	2,066.10	384.11	1,265.66	3,359.15
.....	.....	.....	.....	.....	.....	.....	.....
1,632.00	175.00	331.00	10,773.00	162.00	218.00	214.00	1,313.00
8,111.78	319.09	2,162.17	4,782.83	1,904.10	166.11	1,051.66	2,046.15
.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	St. Thomas	Sandwich	Sarnia	Scarboro' Township
Population	17,327	6,059	15,274	13,250
	$ c.	$ c.	$ c.	$ c.
EARNINGS				
Domestic service	70,086.24	65,714.26	82,579.61	53,552.65
Commercial light service	39,937.34	12,432.37	35,927.54	10,841.63
Commercial power service	60,980.70	6,859.64	97,691.02	16,883.03
Municipal power service	11,728.48	.....	.....	6,130.33
Street lighting	14,743.18	6,726.54	12,257.89	8,103.46
Rural service	.....	.....	.....	.....
Miscellaneous	4,813.74	.....	2,181.16	.....
Total earnings	202,289.68	91,732.81	230,637.22	95,511.10
EXPENSES				
Power purchased	109,968.61	60,750.92	138,440.49	44,190.86
Substation operation	6,054.17	.....	3,940.59	.....
Substation maintenance	636.36	.....	1,020.74	.....
Distribution system, operation and maintenance	6,335.87	1,289.59	4,833.51	8,617.82
Line transformer maintenance	45.89	301.98	524.82	717.27
Meter maintenance	506.12	229.48	1,518.28	132.64
Consumers' premises expenses	789.61	.....	.....	.....
Street lighting, operation and maintenance	2,901.20	1,224.40	2,028.72	1,071.40
Promotion of business	1,327.88	.....	.....	.....
Billing and collecting	4,757.91	2,834.59	3,919.96	2,944.01
General office, salaries and expenses	7,332.18	3,977.33	8,429.97	3,854.19
Undistributed expenses	12,119.08	1,883.23	6,434.30	2,663.78
Interest	3,473.87	6,427.41	14,705.34	11,063.74
Sinking fund and principal payments on debentures	5,712.26	3,412.27	12,925.58	6,138.38
Total expenses	161,961.01	82,331.20	198,722.30	81,394.09
Gross surplus	40,328.67	9,401.61	31,914.92	14,117.01
Gross loss	.....	.....	.....	.....
Depreciation	10,362.00	2,617.00	12,412.00	5,604.00
Net surplus	29,966.67	6,784.61	19,502.92	8,513.01
Net loss	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Seaforth 1,847	Simcoe 4,118	Springfield 391	Stamford Township 5,460	Stouffville 1,071	Stratford 18,425	Strathroy 2,642
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
9,215.69	7,990.58	1,571.73	24,828.95	3,964.40	127,658.77	10,833.36
4,587.24	10,785.28	762.06	1,703.77	2,132.17	48,167.70	6,341.22
6,858.16	11,193.64	2,009.95	7,392.82	1,771.97	42,273.67	11,376.07
400.00	2,078.11	.....	.....	.....	8,996.98	1,077.20
1,734.00	3,126.50	797.67	4,782.51	2,139.00	20,001.98	3,290.25
.....	.....	.....	.....	.....	.....	.....
2.95	172.80	.....	2,554.40	.....	7,429.50	1,549.48
22,798.04	35,346.91	5,141.41	41,262.45	10,007.54	254,528.60	34,467.58
14,344.23	20,775.77	3,429.90	15,688.77	4,341.11	150,709.43	21,616.27
.....	198.07	.....	.....	.....	5,019.72	77.84
.....	.....	.....	2.83	.....	.....	78.65
2,185.62	3,337.80	109.22	3,903.24	673.70	6,232.09	188.89
23.76	137.93	.....	15.14	.....	479.23	133.56
94.64	85.40	.....	476.63	.....	1,697.61	73.34
.....	.....	.....	.....	.....	.....	.....
430.45	341.88	44.98	367.49	73.58	3,625.49	955.54
.....	.....	.....	.....	.....	3,691.22	.....
.....	1,037.65	.....	.....	.....	4,165.52	925.94
1,091.63	528.96	401.83	5,001.72	411.13	1,984.41	3,008.61
.....	620.75	.....	1,589.57	.....	5,522.93	79.30
386.88	1,769.92	219.98	5,214.07	912.02	21,911.43	1,606.56
445.75	943.26	587.33	3,493.89	985.76	10,022.36	1,934.29
19,002.96	29,777.39	4,793.24	35,753.35	7,397.30	215,061.44	30,678.79
3,795.08	5,569.52	348.17	5,509.10	2,610.24	39,467.16	3,788.79
.....	.....	.....	.....	.....	.....	.....
610.00	1,666.00	189.00	2,729.00	302.00	14,275.00	2,160.00
3,185.08	3,903.52	159.17	2,780.10	2,308.24	25,192.16	1,628.79
.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Sutton	Tavistock	Tecumseh	Thamesford P.V.
Population	891	1,008	1,665	
	$ c.	$ c.	$ c.	$ c.
EARNINGS				
Domestic service	4,374.34	4,337.08	11,627.39	1,534.55
Commercial light service	1,523.85	1,920.91	2,974.40	1,171.77
Commercial power service	454.79	7,095.27	132.92	3,646.87
Municipal power service	.....	465.46	.....	.....
Street lighting	2,369.00	1,442.74	446.64	510.00
Rural service	.....	.....	.....	.....
Miscellaneous	.....	110.19	.....	247.96
Total earnings	8,721.98	15,371.65	15,181.35	7,111.15
EXPENSES				
Power purchased	4,572.92	11,445.68	5,303.73	4,586.68
Substation operation	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....
Distribution system, operation and maintenance	438.85	408.81	2,269.59	123.32
Line transformer maintenance	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....
Street lighting, operation and maintenance	47.87	78.46	126.07	28.52
Promotion of business	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....
General office, salaries and expenses	595.35	729.99	1,679.95	244.21
Undistributed expenses	.....	.....	.....	.....
Interest	1,356.96	.....	1,764.47	278.43
Sinking fund and principal payments on debentures	877.44	133.42	756.07	283.59
Total expenses	7,889.39	12,796.36	11,899.88	5,544.75
Gross surplus	832.59	2,575.29	3,281.47	1,566.40
Gross loss	.....	.....	.....	.....
Depreciation	494.00	454.00	703.00	315.00
Net surplus	338.59	2,121.29	2,578.47	1,251.40
Net loss	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Thamesville	Thedford	Thorndale P.V.	Thorold	Tilbury	Tillsonburg	Toronto
805	580		5,292	1,982	3,113	538,771
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
3,206.41	2,217.59	1,462.94	17,346.13	4,810.34	10,231.12	2,173,519.63
2,313.42	1,356.76	637.28	6,216.46	4,257.07	8,264.32	2,017,536.87
2,607.21	785.92	1,306.10	2,948.40	11,244.68	13,659.47	2,535,671.33
76.17	.....	.....	3,445.85	425.61	300.00	1,406,201.75
785.00	1,300.00	448.00	3,305.00	1,056.00	3,327.31	456,454.76
.....	.....	.....	.....	.....	.....	.....
509.39	262.70	.....	113.72	400.00	1,478.43	104,569.98
9,497.60	5,922.97	3,854.32	33,375.56	22,193.70	37,260.65	8,693,954.32
4,652.76	3,706.77	3,000.89	16,717.91	13,056.66	19,540.94	4,088,697.73
.....	.....	.....	2,580.08	.....	411.69	204,772.01
.....	.....	.....	.....	.....	.....	150,992.91
102.49	184.00	35.99	2,186.82	514.98	904.77	223,347.96
.....	.....	.....	.....	.....	10.93	49,217.08
.....	.....	.....	.....	.....	134.81	76,988.88
.....	.....	.....	.....	.....	.....	229,738.62
42.43	7.50	50.29	667.00	41.64	214.77	113,699.55
.....	.....	.....	.....	.....	78.47	184,800.07
.....	.....	.....	.....	.....	935.88	298,672.64
583.00	258.08	165.74	2,542.64	1,252.51	2,793.82	381,042.53
.....	.....	.....	910.14	.....	416.02	298,230.66
419.55	904.33	151.67	.....	548.41	917.59	1,099,245.03
387.50	534.22	157.47	426.23	423.82	1,068.40	736,755.11
6,187.73	5,594.90	3,562.05	26,030.82	15,838.02	27,428.09	8,136,200.28
3,309.87	328.07	292.27	7,344.74	6,355.68	9,832.56	557,753.54
.....	.....	.....	.....	.....	.....	.....
457.00	238.00	155.00	2,060.00	577.00	1,785.00	476,371.03
2,852.87	90.07	137.27	5,284.74	5,778.68	8,047.56	81,382.51
.....	.....	.....	.....	.....	.....	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	Toronto Township	Trafalgar Township	Walkerville	Wallaceburg
Population	6,382	3,727	8,088	4,530
	$ c.	$ c.	$ c.	$ c.
EARNINGS				
Domestic service	33,103.36	9,982.21	72,618.75	12,411.54
Commercial light service	4,898.09	661.80	25,843.29	6,418.83
Commercial power service	6,911.67	1,438.35	78,295.09	41,645.41
Municipal power service				1,119.72
Street lighting	3,794.55		10,659.59	2,872.92
Rural service				
Miscellaneous			24,573.17	1,862.67
Total earnings	48,707.67	12,082.36	211,989.89	66,331.09
EXPENSES				
Power purchased	20,067.78	4,492.63	109,813.67	35,225.77
Substation operation			7,226.31	194.65
Substation maintenance			1,351.78	
Distribution system, operation and maintenance	5,098.75	1,320.00	3,181.28	2,033.89
Line transformer maintenance			394.92	221.92
Meter maintenance			2,039.08	256.23
Consumers' premises expenses				
Street lighting, operation and maintenance	256.73		3,065.38	790.14
Promotion of business				71.31
Billing and collecting			4,969.63	
General office, salaries and expenses	4,206.89	1,226.92	8,597.28	5,644.74
Undistributed expenses	316.00		3,436.69	2,430.94
Interest	4,195.52	1,026.12	8,702.44	3,590.44
Sinking fund and principal payments on debentures	2,719.42	605.14	9,987.24	1,065.03
Total expenses	36,861.09	8,670.81	162,765.70	51,525.06
Gross surplus	11,846.58	3,411.55	49,224.19	14,806.03
Gross loss				
Depreciation	4,382.00	664.00	9,221.00	2,331.00
Net surplus	7,464.58	2,747.55	40,003.19	12,475.03
Net loss				

" C "—Continued

Hydro Municipalities for Year Ended December 31, 1925

Wardsville 219	Waterdown 836	Waterford 1,040	Waterloo 6,478	Watford 1,023	Welland 8,705	Wellesley P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
918.61	2,796.21	4,387.84	32,499.99	4,653.33	40,447.16	1,624.54
412.45	691.36	1,703.22	13,112.89	3,275.54	17,900.49	766.72
.....	1,795.41	4,822.88	39,731.06	1,799.33	37,582.37	3,694.72
.....	.....	88.33	4,330.06	306.45	3,451.32	.....
658.30	870.00	1,254.60	7,054.14	1,098.00	7,226.01	885.50
.....	6,882.12	.....	2,296.35	.....	.....	.....
105.34	381.01	328.01	1,630.40	285.92	663.31	.....
2,094.70	13,416.11	12,584.88	100,654.89	11,418.57	107,270.66	6,971.48
1,054.30	7,643.59	8,080.57	60,878.47	5,931.24	60,740.10	5,374.24
.....	.....	.....	2,673.98	.....	1,681.55	.....
.....	.....	.....	37.29	.....	155.95	.....
15.90	1,022.05	499.60	2,768.50	994.21	2,584.55	79.90
.....	.....	.....	29.49	.....	687.92	.....
.....	.....	.....	340.73	.....	323.37	.....
.....	.....	.....	.....	.....	.....	.....
23.76	117.75	126.81	640.05	82.41	400.42	107.25
.....	.....	.....	.....	.....	776.78	.....
.....	.....	.....	2,074.02	.....	3,230.37	.....
67.49	998.93	738.20	5,156.75	658.50	7,602.84	362.36
.....	.....	50.00	1,035.24	.....	2,829.69	.....
412.15	1,379.34	.....	4,692.14	185.02	19,627.36	312.99
259.07	545.38	.....	3,311.16	464.35	7,406.47	324.96
1,832.67	11,707.04	9,495.18	83,637.82	8,315.73	108,047.37	6,561.70
262.03	1,709.07	3,089.70	17,017.07	3,102.84	.....	409.78
.....	.....	.....	.....	.....	776.71	.....
140.00	1,123.00	612.00	5,909.00	477.00	7,863.00	210.00
122.03	586.07	2,477.70	11,108.07	2,625.84	.....	199.78
.....	.....	.....	.....	.....	8,639.71	.....

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality	West Lorne	Weston	Wheatley	Windsor	Woodbridge
Population	772	3,965	693	47,177	713
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	1,993.73	19,647 81	3,366.75	387,138.68	2,530.73
Commercial light service	1,582.49	4,641.23	2,831.87	167,518.25	946.41
Commercial power service	8,657.23	40,434.56	857.63	188,513.39	5,377.92
Municipal power service	.....	2,054.37	.....	87,501.97	202.70
Street lighting	990.00	10,044.85	1,412.50	64,127.34	876.00
Rural service	.....	5,489.01	.....	.....	.....
Miscellaneous	347.13	145.82	.....	7,625.16	369.35
Total earnings	13,570.58	82,457.65	8,468.75	902,424.79	10,303.11
EXPENSES					
Power purchased	10,663.74	54,469.98	3,209.23	506,152.13	7,682.07
Substation operation	.....	.....	.....	32,248.04	.....
Substation maintenance	.....	.....	.....	10,202.92	.....
Distribution system, operation and maintenance	84.82	4,005.61	211.44	29,177.79	857.07
Line transformer maintenance	.....	667.72	.....	4,937.64	.....
Meter maintenance	.....	351.20	.....	6,472.58	.....
Consumers' premises expenses	.....	.....	.....	12,279.33	.....
Street lighting, operation and maintenance	45.35	918.39	27.39	21,176.36	65.30
Promotion of business	.....	.....	.....	788.89	.....
Billing and collecting	.....	.....	.....	24,038.25	.....
General office, salaries and expenses	786.51	3,238.79	421.15	22,534.87	499.91
Undistributed expenses	.....	929.67	.....	18,510.10	.....
Interest	419.93	3,804.95	691.94	52,766.45	394.84
Sinking fund and principal payments on debentures	161.26	1,983.31	393.34	45,771.76	190.00
Total expenses	12,161.61	70,369.62	4,954.49	787,057.11	9,689.19
Gross surplus	1,408.97	12,088.03	3,514.26	115,367.68	613.92
Gross loss	.....	.....	.....	.....	.....
Depreciation	410.00	3,482.00	322.00	32,738.00	493.00
Net surplus	998.97	8,606.03	3,192.26	82,629.68	120.92
Net loss	.....	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Woodstock 10,197	Wyoming 504	*York Township 43,121	†E. York Township 20,290	N. York Township 7,187	Zurich P.V.	NIAGARA SYSTEM SUMMARY
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
50,699.00	1,663.95	284,379.20	42,145.91	23,493.28	1,804.88	5,821,547.22
25,603.82	1,121.30	34,926.79	3,301.07	2,862.98	1,180.54	3,358,465.19
42,218.13	369.25	90,119.13	16,820.26	1,552.07	2,616.84	5,455,197.35
2,865.33	.....	.....	.....	3,466.52	.....	1,804,106.06
6,816.00	1,000.00	26,387.28	4,731.27	471.20	744.00	1,187,674.89
.....	.....	.....	.....	.....	.....	28,461.54
222.18	.....	1,590.00	230.84	3,207.16	294.98	251,618.89
128,424.46	4,154.50	437,402.40	67,229.35	35,053.21	6,641.24	17,907,071.14
84,769.45	2,332.20	153,674.19	33,914.84	12,941.69	4,993.99	9,435,480.05
2,770.49	.....	.....	.....	.....	.....	355,247.42
164.94	.....	14,599.45	.....	.....	.....	202,301.04
4,550.22	63.10	9,487.33	6,827.21	2,701.89	264.80	536,534.84
182.29	.....	5,235.35	19.22	.....	.....	77,023.74
397.23	.....	4,666.31	577.71	16.05	.....	139,267.74
.....	.....	24,320.66	.....	.....	.....	274,574.91
1,641.26	65.86	3,106.62	585.86	15.06	44.44	224,603.55
.....	.....	8,118.36	18.75	.....	.....	217,276.26
3,829.28	.....	30,986.49	1,628.98	.....	.....	497,223.64
4,220.89	326.20	34,204.05	5,873.07	2,792.47	142.40	798,607.49
2,602.24	.....	12,842.89	1,266.38	965.24	.....	481,606.89
2,974.24	409.90	106,514.29	659.66	8,079.10	276.27	1,805,458.77
2,230.38	468.73	10,299.38	.....	2,117.97	113.73	1,178,594.83
110,332.91	3,665.99	418,055.37	51,351.68	29,629.47	5,835.63	16,223,801.17
18,091.55	488.51	19,347.03	15,877.67	5,423.74	805.61	1,683,269.97
.....	.....	.....	.....	.....	.....	.....
7,707.00	263.00	10,738.00	3,148.00	2,374.00	258.00	921,887.58
10,384.55	225.51	8,609.03	12,729.67	3,049.74	547.61	761,382.39
.....	.....	.....	.....	.....	.....	.....

*Operation is for 1924. †Five months' operation only.

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM

Municipality	Alliston	Arthur	Barrie	Beaverton	Beeton
Population	1,349	1,156	7,216	924	561
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	5,985.39	3,986.05	28,522.53	6,468.26	2,449.38
Commercial light service	3,194.20	3,101.41	13,500.86	2,180.76	1,598.74
Commercial power service	1,424.49	4,728.93	11,770.97	3,466.10	3,583.95
Municipal power service	600.03	.....	1,278.15	.....	.....
Street lighting	2,278.30	2,068.76	4,582.66	1,351.96	1,232.00
Rural service	.....	.....	78.38	.....	.....
Miscellaneous	.....	.....	732.51	.....	30.07
Total earnings	13,482.41	13,885.15	60,466.06	13,467.08	8,894.14
EXPENSES					
Power purchased	9,413.08	9,131.29	43,936.10	6,452.67	8,903.63
Substation operation	.....	.....	78.70	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	927.96	415.43	1,965.33	863.17	95.35
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	130.98	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	77.83	206.24	1,035.74	23.52	32.51
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	925.94	507.03	3,916.90	407.59	471.78
Undistributed expenses	.....	.....	1,435.23	87.12	.....
Interest	2,309.62	1,742.94	1,264.28	542.54	844.43
Sinking fund and principal payments on debentures	850.30	403.96	1,906.89	357.43	302.55
Total expenses	14,504.73	12,406.89	55,670.15	8,734.04	10,650.25
Gross surplus	.....	1,478.26	4,795.91	4,733.04	.....
Gross loss	1,022.32	.....	.....	.....	1,756.11
Depreciation	918.00	693.00	4,400.00	673.00	426.00
Net surplus	.....	785.26	395.91	4,060.04	.....
Net loss	1,940.32	.....	.....	.....	2,182.11

" C "—Continued

Hydro Municipalities for Year Ended December 31, 1925

Bradford 986	Brechin P.V.	Cannington 919	Chatsworth 285	Chesley 1,720	Coldwater 600	Collingwood 6,796	Cookstown P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
4,114.35	868.76	3,905.76	1,242.55	6,098.65	1,743.28	18,995.07	1,476.45
2,941.28	1,057.25	2,122.88	704.16	3,869.35	1,121.58	10,072.62	1,400.34
4,076.90	1,459.04	1,196.23	709.91	6,335.73	2,292.67	21,173.80	113.70
.....	.....	.....	.....	1,363.39	.....	1,614.72	.....
1,474.20	440.00	1,314.00	444.00	1,623.75	472.50	3,328.00	806.17
.....	.....	.....	.....	.....	.....	.....	.....
15.60	150.00	.....	.....	417.56	.....	2,590.77	.....
12,622.33	3,975.05	8,538.87	3,100.62	19,708.43	5,630.03	57,774.98	3,796.66
9,497.10	2,610.86	4,653.94	1,898.06	12,956.84	3,598.30	51,569.01	2,463.93
.....	.....	.....	.....	.....	.....	36.59	.....
.....	.....	.....	.....	.....	.....	.....	.....
470.01	243.63	806.19	50.42	738.10	696.68	1,220.45	30.55
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	293.29	.....
.....	.....	.....	.....	.....	.....	.....	.....
93.93	18.97	17.89	29.55	108.37	28.46	209.60	30.99
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	1,914.39	.....
504.01	37.02	502.94	229.54	976.01	279.98	3,309.43	436.28
.....	.....	45.72	.....	.....	.....	465.45	.....
1,372.21	412.18	717.18	305.35	1,091.65	319.56	823.72	727.80
373.49	64.66	371.19	185.94	1,244.92	174.16	2,070.41	511.88
12,310.75	3,387.32	7,115.05	2,698.86	17,115.89	5,097.14	61,912.34	4,201.43
311.58	587.73	1,423.82	401.76	2,592.54	532.89	.....	.....
.....	.....	.....	.....	.....	.....	4,137.36	404.77
539.00	96.00	443.00	171.00	848.00	426.00	3,184.00	350.00
.....	491.73	980.82	230.76	1,744.54	106.89	.....	.....
227.42	.....	.....	.....	.....	.....	7,321.36	754.77

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Creemore	Dundalk	Durham	Elmvale P.V.	Elmwood P.V.
Population	657	690	1,580		
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	1,453.32	1,838.86	3,828.86	1,278.83	726.74
Commercial light service	1,175.07	1,868.64	2,929.26	960.39	509.89
Commercial power service	1,775.33	3,493.68	12,281.57	3,997.49	1,344.31
Municipal power service	.....	.....	.....	.....	.....
Street lighting	570.00	790.00	1,637.32	692.00	414.00
Rural service	.....	.....	.....	.....	.....
Miscellaneous	250.00	303.10	744.49	370.82	.....
Total earnings	5,223.72	8,294.28	21,421.50	7,299.53	2,994.94
EXPENSES					
Power purchased	4,572.64	4,605.30	13,947.02	6,629.70	1,926.10
Substation operation	.....	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....	.....
Distribution system, operation and maintenance	56.44	122.97	231.59	695.61	.....
Line transformer maintenance	.....	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	15.29	80.28	1.15	51.53	18.75
Promotion of business	.....	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....	.....
General office, salaries and expenses	387.01	525.98	1,755.50	285.91	185.76
Undistributed expenses	.....	.....	.....	.....	.....
Interest	251.03	186.15	1,111.47	266.15	372.50
Sinking fund and principal payments on debentures	316.43	232.20	1,518.51	189.21	267.34
Total expenses	5,598.84	5,752.88	18,565.24	8,118.11	2,770.45
Gross surplus	.....	2,541.40	2,856.26	.....	224.49
Gross loss	375.12	.....	.....	818.58	.....
Depreciation	290.00	313.00	777.00	172.00	173.00
Net surplus	.....	2,228.40	2,079.26	.....	51.49
Net loss	665.12	.....	.....	990.58	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Flesherton 482	Grand Valley 654	Graven-hurst 1,751	Hanover 2,852	Holstein P.V.	Huntsville 2,460	Kincardine 2,036	Kirkfield P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,951.96	2,459.37	5,790.47	11,812.43	700.07	10,372.67	9,701.70	500.30
1,303.14	2,088.23	4,240.57	6,105.54	743.08	5,353.07	6,146.88	517.55
233.32	3,252.62	8,379.57	31,193.03	199.99	15,409.93	5,370.82	480.41
.....	.....	1,023.28	357.58	.....	1,126.67	1,635.87	.....
564.00	832.00	2,280.75	3,423.58	490.00	2,265.00	3,784.00	460.00
.....	.....	.....	.....	.....	.....	.....	.....
.....	2.48	363.01	1,107.71	.....	174.54	107.71	.....
4,052.42	8,634.70	22,077.65	53,999.87	2,133.14	34,701.88	26,746.98	1,958.26
2,692.48	5,635.77	8,062.29	36,507.39	1,610.33	25,438.30	16,052.21	1,495.55
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
113.24	24.80	2,683.85	2,560.87	105.07	3,216.52	1,096.86	115.72
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
50.60	13.75	214.30	333.49	37.61	126.76	259.57	28.32
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
242.46	450.76	1,753.99	2,208.65	102.89	1,347.17	1,837.20	141.03
.....	.....	84.17	259.38	.....	.....	100.00	.....
440.57	256.34	1,618.28	4,440.07	311.10	587.06	3,261.28	370.36
169.61	476.61	2,347.18	3,314.38	139.30	1,193.43	2,011.22	205.90
3,708.96	6,858.03	16,764.06	49,624.23	2,306.30	31,909.24	24,618.34	2,356.88
343.46	1,776.67	5,313.59	4,375.64	.....	2,792.64	2,128.64	.....
.....	.....	.....	.....	173.16	.....	.....	398.62
242.00	380.00	1,371.00	2,319.00	84.00	701.00	1,291.00	153.00
101.46	1,396.67	3,942.59	2,056.64	.....	2,091.64	837.64	.....
.....	.....	.....	.....	257.16	.....	.....	551.62

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Lucknow	Markdale	Meaford	Midland	Mount Forest
Population	921	922	2,653	7,346	1,755
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	4,095.43	2,231.03	10,545.73	26,056.15	4,992.57
Commercial light service	3,146.35	1,849.62	7,326.77	11,207.68	4,992.76
Commercial power service	2,894.24	1,320.28	3,844.02	96,861.78	3,603.63
Municipal power service	.....	15.00	1,085.61	4,184.50	1,496.22
Street lighting	1,400.00	753.37	3,552.30	4,766.84	2,639.04
Rural service	157.70	.....	.....	.....	.....
Miscellaneous	100.55	107.64	389.33	573.28	259.03
Total earnings	11,794.27	6,276.94	26,743.76	143,650.23	17,983.25
EXPENSES					
Power purchased	7,942.79	3,775.63	9,926.65	93,758.78	12,639.33
Substation operation	.....	.....	.....	2,009.01	.....
Substation maintenance	.....	.....	.....	542.34	.....
Distribution system, operation and maintenance	136.35	149.89	725.91	2,735.55	1,088.76
Line transformer maintenance	.....	.....	.....	101.69	.....
Meter maintenance	.....	.....	2.11	314.16	.....
Consumers' premises expenses	.....	.....	.....	.....	.....
Street lighting, operation and maintenance	54.60	54.68	150.44	494.94	310.40
Promotion of business	.....	.....	.....	43.75	.....
Billing and collecting	.....	.....	.....	1,768.25	.....
General office, salaries and expenses	564.17	551.66	2,526.16	2,883.98	940.90
Undistributed expenses	.....	.....	.....	1,945.14	.....
Interest	1,063.14	461.54	2,716.58	4,148.07	1,023.08
Sinking fund and principal payments on debentures	616.18	192.30	.....	4,175.99	987.39
Total expenses	10,377.23	5,185.70	16,047.85	114,921.65	16,989.86
Gross surplus	1,417.04	1,091.24	10,695.91	28,728.58	993.39
Gross loss	.....	.....	.....	.....	.....
Depreciation	458.00	402.00	865.00	5,710.00	747.00
Net surplus	959.04	689.24	9,830.91	23,018.58	246.39
Net loss	.....	.....	.....	.....	.....

" C "—Continued

Hydro Municipalities for Year Ended December 31, 1925

Neustadt 473	Orangeville 2,656	Owen Sound 11,935	Paisley 793	Penetanguishene 3,868	Port McNicoll 630	Port Perry 1,150	Priceville P.V.
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,688.21	6,320.01	37,503.24	3,513.09	5,951.17	2,130.51	5,444.17	554.28
1,160.38	5,577.54	24,304.01	2,069.57	2,839.52	481.63	2,420.22	258.76
4,320.93	6,765.52	26,819.75	1,165.02	9,633.51	.....	1,724.06	.....
.....	342.00	.....	.....	2,075.65	.....	590.36	.....
975.00	3,893.75	8,233.00	1,892.00	1,880.00	546.00	1,880.04	441.00
.....	.....	.....	.....	.....	.....	.....	.....
.....	164.88	1,024.84	37.37	726.07	.....	422.20	.....
8,144.52	23,063.70	97,884.84	8,677.05	23,105.92	3,158.14	12,481.05	1,254.04
6,031.21	14,547.72	54,193.59	4,967.82	14,869.22	2,101.06	6,708.40	996.24
.....	.....	3,389.09	.....	1,930.76	.....	.....	.....
.....	.....	1,323.97	.....	60.16	.....	.....	.....
30.03	1,358.31	3,222.60	132.54	737.84	59.41	564.20	30.64
.....	.....	30.31	.....	40.00	.....	.....	.....
.....	.....	810.08	.....	42.13	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
4.50	266.92	2,106.37	98.42	227.00	26.62	16.65	23.21
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1,953.92	.....	117.00	.....	.....	.....
416.26	852.16	6,407.71	364.50	2,210.48	371.80	461.75	38.11
.....	.....	2,760.36	.....	626.93	.....	.....	.....
985.81	1,435.64	4,328.11	854.76	1,459.34	342.47	1,194.88	399.42
651.72	1,672.99	1,679.20	484.11	1,356.07	301.19	.....	296.27
8,119.53	20,133.74	82,205.31	6,902.15	23,676.93	3,202.55	8,945.88	1,783.89
24.99	2,929.96	15,679.53	1,774.90	.....	.....	3,535.17	.....
.....	.....	.....	.....	571.01	44.41	.....	529.85
429.00	1,068.00	5,036.02	292.00	860.00	253.00	451.00	127.00
.....	1,861.96	10,643.51	1,482.90	.....	.....	3,084.17	.....
404.01	.....	.....	.....	1,431.01	297.41	.....	656.85

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued

Municipality	Ripley P.V.	Shelburne	Stayner	Sunderland P.V.
Population		1,120	966	
EARNINGS	$ c.	$ c.	$ c.	$ c.
Domestic service	2,092.18	4,105.28	2,648.89	1,891.73
Commercial light service	2,238.47	3,724.97	1,302.45	1,290.15
Commercial power service	.....	3,691.27	2,725.98	950.74
Municipal power service	.....	455.95	.....	.....
Street lighting	1,323.00	1,095.00	948.00	540.00
Rural service	151.66	.....	.....	.....
Miscellaneous	.....	.....	380.38	.....
Total earnings	5,805.31	13,072.47	8,005.70	4,672.62
EXPENSES				
Power purchased	4,043.88	9,049.22	5,149.45	3,183.40
Substation operation	.....	.....	.....	.....
Substation maintenance	.....	.....	.....	.....
Distribution system, operation and maintenance	148.59	148.07	408.35	390.33
Line transformer maintenance	.....	.....	.....	.....
Meter maintenance	.....	.....	.....	.....
Consumers' premises expenses	.....	.....	.....	.....
Street lighting, operation and maintenance	89.78	22.25	23.47	28.00
Promotion of business	.....	.....	.....	.....
Billing and collecting	.....	.....	.....	.....
General office, salaries and expenses	321.21	853.98	419.09	226.72
Undistributed expenses	.....	.....	.....	.....
Interest	819.21	693.98	539.53	363.35
Sinking fund and principal payments on debentures	239.54	887.41	681.08	205.30
Total expenses	5,662.21	11,654.91	7,220.97	4,397.10
Gross surplus	143.10	1,417.56	784.73	275.52
Gross loss	.....	.....	.....	.....
Depreciation	289.00	638.00	536.00	205.00
Net surplus	.....	779.56	248.73	70.52
Net loss	145.90	.....	.....	.....

"C"—Continued

Hydro Municipalities for Year Ended December 31, 1925

Tara 490	Teeswater 802	Thornton P.V.	Tottenham 523	Uxbridge 2,129	Victoria Harbour 1,454
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,245.14	3,635.47	791.69	2,495.94	5,223.40	2,028.45
1,858.86	2,581.44	348.40	1,471.63	3,546.10	1,001.54
1,124.28	3,060.48	393.73	1,018.20	1,966.72	.....
.....	.....	.....	.....	.....	.....
1,650.00	1,810.00	840.00	1,225.08	2,278.50	805.75
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	394.39	.....
6,878.28	11,087.39	2,373.82	6,210.85	13,409.11	3,835.74
4,762.67	8,084.57	2,015.64	5,105.68	7,399.97	2,498.85
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
125.55	135.78	.....	308.40	529.50	172.56
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
70.08	79.45	10.61	9.00	13.14	55.06
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
520.64	424.29	85.14	248.62	755.78	413.37
.....	.....	.....	.....	.....	.....
863.67	1,637.82	604.00	518.83	932.77	241.05
614.33	1,184.22	266.70	190.61	.....	301.82
6,956.94	11,546.13	2,982.09	6,381.14	9,631.16	3,682.71
.....	.....	.....	.....	3,777.95	153.03
78.66	458.74	608.27	170.29	.....	.....
377.00	443.00	217.00	298.00	369.00	300.00
.....	.....	.....	.....	3,408.95	.....
455.66	901.74	825.27	468.29	.....	146.97

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Concluded

Municipality	Waubaushene P.V.	Wingham	Woodville	GEORGIAN BAY SYSTEM SUMMARY
Population		2,440	447	
	$ c.	$ c.	$ c.	$ c.
EARNINGS				
Domestic service	1,300.50	9,200.80	1,951.75	288,908.87
Commercial light service	398.22	8,114.34	1,164.99	177,483.11
Commercial power service	326.62	12,275.64	1,443.80	337,674.69
Municipal power service	.....	360.05	.....	19,605.03
Street lighting	380.00	4,446.64	540.00	90,353.26
Rural service	.....	.....	.....	387.74
Miscellaneous	.....	1,399.35	.....	13,339.68
Total earnings	2,405.34	35,796.82	5,100.54	927,752.38
EXPENSES				
Power purchased	1,620.90	19,061.95	2,935.98	603,630.49
Substation operation	.....	.....	.....	7,444.15
Substation maintenance	.....	1,308.12	.....	3,234.59
Distribution system, operation and maintenance	22.01	2,251.70	263.75	35,423.43
Line transformer maintenance	.....	.....	.....	172.00
Meter maintenance	.....	.....	.....	1,592.75
Consumers' premises expenses	.....	.....	.....	.....
Street lighting, operation and maintenance	33.69	360.60	4.89	7,779.77
Promotion of business	.....	.....	.....	43.75
Billing and collecting	.....	.....	.....	5,753.56
General office, salaries and expenses	330.85	1,466.63	197.49	48,582.21
Undistributed expenses	.....	121.00	.....	7,930.50
Interest	143.79	3,524.20	165.82	57,406.68
Sinking fund and principal payments on debentures	160.75	3,106.54	152.18	41,602.99
Total expenses	2,311.99	31,200.74	3,720.11	820,596.87
Gross surplus	93.35	4,596.08	1,380.43	107,155.51
Gross loss	.....	.....	.....	.....
Depreciation	160.00	1,884.00	140.00	43,987.02
Net surplus	.....	2,712.08	1,240.43	63,168.49
Net loss	66.65	.....	.....	.....

"C"—Continued

Hydro Municipalities for the Year Ended December 31, 1925

ST. LAWRENCE SYSTEM

Alexandra 2,217	Apple Hill P.V.	Brockville 9,202	Chesterville 1,010	Lancaster 585	Martintown P.V.	Maxville 758
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
5,992.14	752.28	28,349.67	3,997.85	1,979.99	602.78	2,718.12
4,808.87	758.98	18,624.07	2,324.08	1,235.31	557.37	2,144.54
13,843.45	511.12	37,362.91	9,116.46	.....	.....	333.32
1,766.24	.....	10,416.01	.....	.....	.....	.....
2,838.00	575.00	9,374.00	1,156.00	1,496.50	375.00	1,881.02
.....	.....	.....	.....	.....	112.50	.....
.....	.....	3,550.16	.....	.....	.....	.....
29,248.70	2,597.38	107,676.82	16,594.39	4,711.80	1,647.65	7,077.00
21,205.04	1,551.99	51,532.08	11,120.00	4,674.55	915.02	4,788.14
.....	.....	6,624.19	.....	.....	.....	.....
.....	.....	1,052.83	.....	.....	.....	.....
1,114.56	37.61	1,861.90	985.05	31.15	5.00	364.60
.....	.....	21.01	.....	.....	.....	.....
.....	.....	1,045.88	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
124.04	23.30	1,741.22	64.80	51.50	39.60	73.14
.....	.....	286.40	.....	.....	.....	.....
.....	.....	1,290.69	.....	.....	.....	.....
1,214.04	273.05	4,334.87	389.98	244.14	59.89	222.96
112.25	.....	1,860.08	253.40	.....	.....	.....
2,601.03	340.71	7,663.85	174.39	771.63	262.20	908.35
2,191.73	192.42	5,490.55	295.52	446.18	205.91	568.46
28,562.69	2,419.08	84,805.55	13,283.14	6,219.15	1,487.62	6,925.65
686.01	178.30	22,871.27	3,311.25	.....	160.03	151.35
.....	.....	.....	.....	1,507.35	.....	.....
910.00	112.00	3,453.00	397.00	198.00	93.00	369.00
.....	66.30	19,418.27	2,914.25	.....	67.03	.....
223.99	.....	.....	.....	1,705.35	.....	217.65

STATEMENT

Detailed Operating Reports of Electrical Departments of

ST. LAWRENCE SYSTEM—Continued

Municipality / Population	Prescott 2,605	Williamsburg P.V.	Winchester 1,072	ST. LAWRENCE SYSTEM SUMMARY
	$ c.	$ c.	$ c.	$ c.
EARNINGS				
Domestic service	7,192.50	951.72	4,583.72	57,120.77
Commercial light service	4,332.06	547.56	2,100.06	37,432.90
Commercial power service	5,151.74	303.53	1,138.12	67,760.65
Municipal power service	2,342.29	.....	.....	14,524.54
Street lighting	3,415.00	285.00	1,170.00	22,565.52
Rural service	.....	.....	.....	112.50
Miscellaneous	349.59	.....	547.07	4,446.82
Total earnings	22,783.18	2,087.81	9,538.97	203,963.70
EXPENSES				
Power purchased	12,351.53	1,816.40	6,711.51	116,666.26
Substation operation	1,868.47	.....	.....	8,492.66
Substation maintenance	287.53	.....	.....	1,340.36
Distribution system, operation and maintenance	1,565.06	171.50	1,298.86	7,435.29
Line transformer maintenance	.....	.....	.....	21.01
Meter maintenance	.....	.....	.....	1,045.88
Consumers' premises expenses	.....	.....	.....	.....
Street lighting, operation and maintenance	598.81	25.61	111.14	2,853.16
Promotion of business	.....	.....	.....	286.40
Billing and collecting	1,026.35	.....	.....	2,317.04
General office, salaries and expenses	1,856.32	27.48	699.94	9,322.67
Undistributed expenses	463.57	.....	.....	2,689.30
Interest	50.28	85.61	366.07	13,224.12
Sinking fund and principal payments on debentures	1,285.62	135.48	241.12	11,052.99
Total expenses	21,353.54	2,262.08	9,428.64	176,747.14
Gross surplus	1,429.64	.....	110.33	27,216.56
Gross loss	.....	174.27	.....	.....
Depreciation	739.00	92.00	429.00	6,792.00
Net surplus	690.64	.....	.....	20,424.56
Net loss	.....	266.27	318.67	.....

" C "—Continued

Hydro Municipalities for Year Ended December 31, 1925

RIDEAU SYSTEM

Carleton Place 4,328	Kemptville 1,246	Lanark 613	Perth 3,639	Smiths Falls 6,795	RIDEAU SYSTEM SUMMARY
14,828.63	4,203.73	1,877.01	12,684.68	29,979.97	63,574.02
8,687.09	4,671.28	1,204.55	8,949.96	15,096.83	38,609.71
26,031.24	3,532.97	117.67	12,916.50	15,651.74	58,250.12
2,392.73	.....	.....	2,412.00	1,965.54	6,770.27
1,919.68	1,599.00	710.00	2,508.55	4,439.40	11,176.63
.....	.....	.....	.....	.....	.....
921.39	544.36	.....	3,436.89	618.65	5,521.29
54,780.76	14,551.34	3,909.23	42,908.58	67,752.13	183,902.04
44,681.66	10,752.95	3,138.13	30,555.40	39,517.80	128,645.94
.....	.....	.....	360.00	1,485.98	1,845.98
172.37	.....	.....	.....	.....	172.37
2,728.42	1,701.75	90.87	1,032.46	2,791.85	8,345.35
163.76	.....	.....	63.78	71.72	299.26
279.04	.....	.....	87.33	211.90	578.27
.....	.....	.....	.....	.....	.....
407.92	36.58	23.32	301.55	509.98	1,279.35
.....	.....	.....	.....	.....	.....
1,361.59	.....	.....	1,201.46	1,180.13	3,743.18
1,242.98	1,046.45	209.47	2,617.81	2,582.94	7,699.65
317.49	.....	.....	795.80	1,640.38	2,753.67
3,202.20	1,437.56	331.52	4,445.37	8,341.47	17,758.12
1,511.86	399.22	291.40	1,826.06	7,731.50	11,760.04
56,069.29	15,374.51	4,084.71	43,287.02	66,065.65	184,881.18
.....	.....	.....	.....	1,686.48	.....
1,288.53	823.17	175.48	378.44	.....	979.14
1,568.00	559.00	159.00	2,074.00	4,395.00	8,755.00
2,856.53	1,382.17	334.48	2,452.44	2,708.52	9,734.14

STATEMENT

Detailed Operating Reports of Electrical Departments of

THUNDER BAY SYSTEM				OTTAWA SYSTEM
Municipality	Nipigon P.V.	Port Arthur	THUNDER BAY SYSTEM SUMMARY	Ottawa
Population		16,351		118,700
EARNINGS				
Domestic service	1,339.13	67,655.54	68,994.67	212,278.18
Commercial light service	1,412.74	44,761.64	46,174.38	104,712.88
Commercial power service	.....	529,468.38	529,468.38	52,525.00
Municipal power service	.....	34,975.19	34,975.19	29,649.72
Street lighting	405.00	18,249.79	18,654.79	57,866.71
Rural service	.....	.....	.....	.....
Miscellaneous	.....	3,047.92	3,047.92	547.64
Total earnings	3,156.87	698,158.46	701,315.33	457,580.13
EXPENSES				
Power purchased	1,140.91	495,184.02	496,324.93	160,348.65
Substation operation	.....	17,738.72	17,738.72	14,525.85
Substation maintenance	.....	8,087.83	8,087.83	.....
Distribution system, operation and maintenance	22.07	41,447.30	41,469.37	30,358.11
Line transformer maintenance	.....	410.08	410.08	348.69
Meter maintenance	.....	3,262.73	3,262.73	5,701.62
Consumers' premises expenses	.....	.....	.....	.....
Street lighting, operation and maintenance	3.60	5,599.83	5,603.43	26,281.30
Promotion of business	.....	48.60	48.60	7,565.59
Billing and collecting	.....	3,550.87	3,550.87	28,700.08
General office, salaries and expenses	222.58	11,410.93	11,633.51	21,052.03
Undistributed expenses	.....	7,614.49	7,614.49	13,712.48
Interest	612.57	15,827.02	16,439.59	42,627.76
Sinking fund and principal payments on debentures	271.85	12,121.25	12,393.10	18,923.85
Total expenses	2,273.58	622,303.67	624,577.25	370,146.01
Gross surplus	883.29	75,854.79	76,738.08	87,434.12
Gross loss	.....	.....	.....	.....
Depreciation	220.00	18,481.82	18,701.82	51,379.00
Net surplus	663.29	57,372.97	58,036.26	36,055.12
Net loss	.....	.....	.....	.....

"C"—Continued

Hydro Municipalities for the Year Ended December 31, 1925

TRENT SYSTEM

Bloomfield 628	Havelock 1,229	Kingston 21,659	Lakefield 1,189	Marmora 763	Norwood 765	Omemee 464	Peterboro 21,661	Picton 3,108
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
2,576.98	5,188.92	83,505.74	4,661.36	2,428.74	3,312.17	1,863.51	77,926.96	12,439.04
1,288.83	1,520.80	62,688.99	4,015.35	1,446.32	1,855.24	943.41	49,882.92	5,919.57
2,948.96	5,644.13	55,798.22	1,094.40	199.60	1,348.63	3,792.70	64,135.20	6,382.80
.....	.....	6,576.57	.....	.....	.....	.....	2,362.84	2,766.04
1,075.00	2,056.00	20,000.00	1,923.31	2,088.00	1,913.00	868.08	16,178.00	2,873.37
.....	.....	.....	.....	.....	.....	.....	9,013.40	.....
.....	.....	4,593.55	240.77	.....	.....	.....	.....	4,659.36
7,889.77	14,409.85	233,163.07	11,935.19	6,162.66	8,429.04	7,467.70	219,499.32	35,040.18
4,229.19	7,648.64	81,105.17	6,263.58	2,203.22	3,171.01	5,682.28	121,630.66	20,079.69
.....	.....	10,268.33	.....	.....	.....	.....	2,358.60	.....
.....	.....	5,454.37	.....	.....	.....	.....	1,506.52	.....
123.73	820.68	14,406.32	1,154.96	41.23	761.69	214.16	13,997.01	1,765.33
.....	.....	1,649.74	.....	.....	.....	.....	784.11	.....
.....	.....	3,822.03	.....	.....	.....	.....	6,103.30	52.23
.....	.....	2,554.22	.....	.....	.....	.....	.....	.....
33.00	197.48	3,853.34	80.98	49.00	66.00	71.85	4,043.43	916.79
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	3,841.32	.....	.....	.....	.....	6,187.00	.....
370.90	403.27	9,722.47	401.11	446.43	260.06	233.28	10,212.42	4,678.95
.....	53.00	8,923.48	.....	.....	53.00	.....	6,657.69	814.40
517.33	1,633.60	9,889.45	2,030.43	718.14	2,069.30	569.13	22,517.28	119.11
253.36	1,114.02	12,698.31	498.96	736.46	643.86	477.11	10,975.18	380.56
5,527.51	11,870.69	168,188.55	10,430.02	4,194.48	7,024.92	7,247.81	206,973.20	28,807.06
2,362.26	2,539.16	64,974.52	1,505.17	1,968.18	1,404.12	219.89	12,526.12	6,233.12
.....	.....	.....	.....	.....	.....	.....	.....	.....
280.00	620.00	10,881.00	648.00	368.00	728.00	392.00	11,224.00	1,108.00
2,082.26	1,919.16	54,093.52	857.17	1,600.18	676.12	.....	1,302.12	5,125.12
.....	.....	.....	.....	.....	.....	172.11	.....	.....

STATEMENT "C"—Concluded

Detailed Operating Reports of Electrical Departments of Hydro Municipalities for Year Ended December 31. 1925

TRENT SYSTEM—Concluded

Municipality / Population	Wark-worth P.V.	Welling-ton 790	Whitby 4,360	TRENT SYSTEM SUM-MARY	ALL SYSTEMS SUMMARY
	$ c.	$ c.	$ c.	$ c.	$ c.
EARNINGS					
Domestic service	2,259.44	4,097.23	10,855.24	211,115.33	6,723,539.06
Commercial light service	1,249.92	2,122.83	5,407.23	138,341.41	3,901,219.58
Commercial power service	.....	2,806.49	13,946.58	158,097.71	6,658,973.90
Municipal power service	.....	.....	1,756.83	13,462.28	1,923,093.09
Street lighting	930.00	909.96	2,662.98	53,477.70	1,441,769.50
Rural service	.....	.....	.....	9,013.40	37,975.18
Miscellaneous	.....	.....	25.16	9,518.84	288,041.08
Total earnings	4,439.36	9,936.51	34,654.02	593,026.67	20,974,611.39
EXPENSES					
Power purchased	2,054.20	4,537.02	17,096.55	275,701.21	11,216,797.53
Substation operation	.....	.....	.....	12,626.93	417,921.71
Substation maintenance	.....	.....	.....	6,960.89	222,097.08
Distribution system, operation and maintenance	38.64	565.66	2,376.07	36,265.48	695,831.87
Line transformer maintenance	.....	.....	.....	2,433.85	80,708.63
Meter maintenance	.....	.....	149.31	10,126.87	161,575.86
Consumers' premises expenses	.....	.....	.....	2,554.22	277,129.13
Street lighting, operation and maintenance	18.90	50.25	641.64	10,022.66	278,423.22
Promotion of business	.....	.....	.....	.....	225,220.60
Billing and collecting	.....	.....	803.81	10,832.13	552,120.50
General office, salaries and expenses	247.37	338.83	1,631.69	28,946.78	925,844.34
Undistributed expenses	.....	.....	618.57	17,120.14	533,427.47
Interest	583.74	876.74	1,885.95	43,410.20	1,996,325.24
Sinking fund and principal payments on debentures	147.49	386.82	1,686.74	29,998.87	1,304,326.67
Total expenses	3,090.34	6,755.32	26,890.33	487,000.23	18,887,749.85
Gross surplus	1,349.02	3,181.19	7,763.69	106,026.44	2,086,861.54
Gross loss	.....	.....	.....	.....	.....
Depreciation	130.00	472.00	1,265.00	28,116.00	1,079,618.42
Net surplus	1,219.02	2,709.19	6,498.69	77,910.44	1,007,243.12
Net loss	.....	.....	.....	.....	.....

STATEMENT "D"

Comparative Statistics Relating to the Supply of Electrical Energy in Ontario Municipalities Served by the Hydro-Electric Power Commission, for Domestic Service, for Commercial Light Service and for Power Service for Each Year since the Inauguration of Service up to the Year 1925; showing the Growth in the Number of Consumers, in Revenue and in Consumption, and the Reduction in Net Cost per Kilowatt-hour.

STATEMENT "D"

Comparative Statistics Relating to the Supply of Electrical Energy in Municipalities Served by the Hydro-Electric Power Commission of Ontario.

The following tabulation is given for the purpose of showing the progress made by individual municipal electric utilities, throughout the respective periods of operation. All municipalities that have been operating under cost contracts with the Commission for at least one full year are listed in the statement.

The policy and practice of the Commission has been, and is, to make as widespread a distribution of electrical energy as possible and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or of the smallness of the quantity of power required by the municipality, the cost per horsepower—and, consequently, the cost per kilowatt-hour to the consumer—must unavoidably be comparatively high, service has not been withheld when the consumers were able and willing to pay the cost. With the exception of the relatively small quantity of energy sold in such municipalities, the electricity provided by the Commission is sold to the consumers at strikingly low prices.

The accompanying diagram, which summarizes the data of Statement "D," shows that the bulk of the electricity distributed by the co-operating municipalities is sold at very low prices and also shows that the total amount of the energy sold in the municipalities where circumstances necessitate the higher scales of charges is relatively insignificant.

It should be kept in mind that the revenues contributed by the consumers include, in addition to the cost of power, sums applicable to retirement of capital. The annual contributions during the past year to sinking fund and principal payments on debentures, in respect of the capital investments of the Commission and of the municipalities, together with surplus, amounted to over twenty per cent of the total revenue contributed by the consumers in the municipalities which collectively own the undertaking. Since these sums represent investments by the consumers which result in future reduction of rates, the cost of the electrical service itself to the consumers is virtually less than eighty per cent of the charges, per kilowatt-hour and per horsepower, indicated in Statement "D" and in the summary figures derived therefrom.

It should specially be noted that the cost per kilowatt-hour or per horsepower as a criterion by means of which to compare the relative economies of electrical service in various municipalities, should only be applied when full account is taken, respectively, of the influence upon costs of such factors as the distance from source of power, the features of the power development from which service is received, the sizes and concentrations of adjacent markets for electricity, and the sizes and character of the loads supplied by the local electrical utility to the ultimate consumers.

In Statement "D" account has been taken of the size of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, suburban areas, which are comparable in respect of conditions of supply to the smaller villages, and rural districts. The approximate transmission distance and the source of supply for any municipality may be ascertained by reference to the map at the end of this volume.

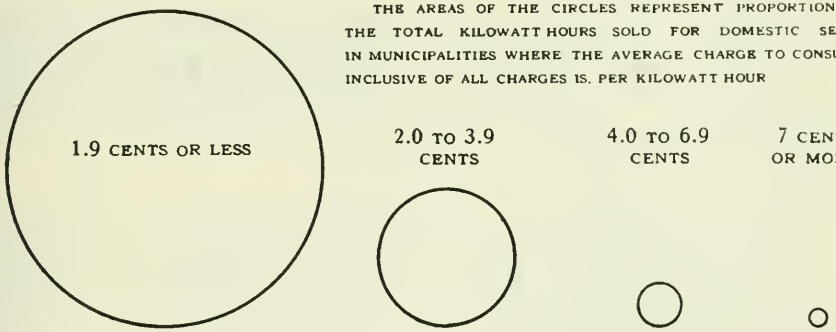
COST OF ELECTRICAL SERVICE

IN MUNICIPALITIES SERVED BY THE

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

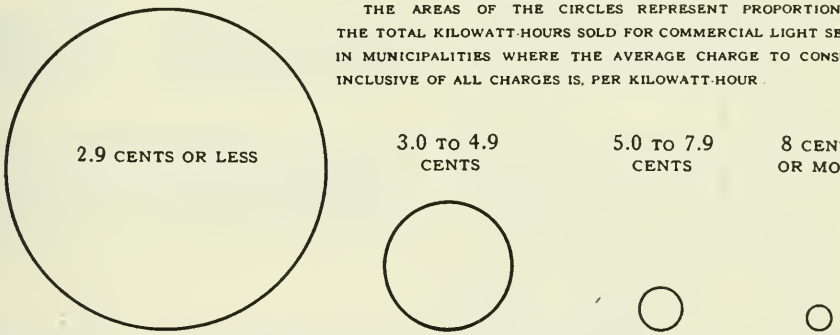
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT HOUR



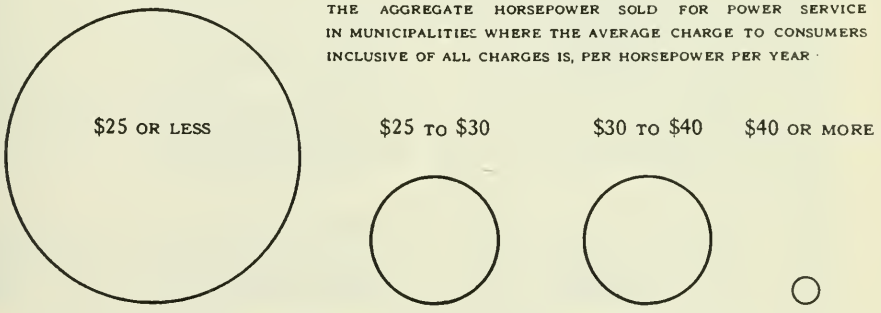
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR



STATEMENT "D"

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1925. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
Group I—CITIES—Population, 10,000 or more																			
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Brantford—																			
1914	7,103.77	148,427	1,184	....	....	4.8	8	5,392.87	166,469	300	....	....	3.6	8	647.69	11	.....	.....	1,495
1915	13,629.36	319,439	1,615	19	82	4.3	+13*	10,746.67	347,349	321	94	2.89	3.1	+13*	12,901.29	18	.....	.....	1,954
1916	17,504.44	468,324	2,056	21	79	3.7		10,530.19	419,933	334	107	2.68	2.5		24,213.00	26	.....	.....	2,316
1917	20,881.94	691,572	2,559	25	75	3.0		10,502.19	655,993	363	157	2.51	1.6		48,639.07	37	2,466	19.72	2,959
1918	26,060.42	1,162,002	2,936	35	79	2.2		9,861.64	568,537	361	130	2.27	1.7		54,748.03	40	2,798	19.56	3,337
1919	34,615.20	1,280,629	3,530	30	82	2.7		10,632.25	660,518	397	139	2.34	1.6		51,469.32	46	2,601	19.79	3,973
1920	44,754.95	2,630,164	3,938	56	95	1.6		10,938.10	945,417	434	165	2.00	1.2		70,609.16	58	3,592	19.65	4,430
1921	59,931.17	3,390,735	4,458	63	1.12	1.8		12,373.68	901,817	530	143	1.95	1.4		79,347.30	80	4,057	19.56	5,068
1922	73,887.64	3,948,531	4,861	68	1.27	1.9		17,127.73	648,274	556	97	2.56	2.6		91,285.54	84	5,590	16.33	5,501
1923	89,693.75	5,827,981	5,230	92	1.43	1.5		22,236.86	1,661,057	587	235	3.15	1.3		102,128.66	90	5,259	19.42	5,907
1924	101,846.38	6,540,921	5,337	103	1.61	1.6		25,042.59	1,996,170	615	277	3.47	1.3		115,666.09	95	4,688	24.68	6,047
1925	106,193.18	7,460,286	5,495	115	1.63	1.4		26,198.41	2,032,245	628	272	3.51	1.3		131,381.54	94	6,087	21.58	6,217
Chatham—																			
1915	5,581.54	110,552	949	....	....	5.5	8	2,806.81	81,805	180	....	.....	3.4	8	449.70	7	.....	.....	1,136
1916	10,155.37	176,508	1,171	14	80	5.8	+25*	7,427.36	174,204	215	81	3.48	4.3	+25*	3,766.37	25	.....	.....	1,401
1917	13,245.86	257,773	1,261	18	91	5.1		10,633.12	249,739	271	86	3.65	4.3		16,573.93	46	654	25.34	1,578
1918	14,124.28	371,827	1,309	24	91	3.8		12,102.91	381,388	265	118	3.76	3.1		35,750.36	35	1,269	28.17	1,609
1919	16,019.69	474,303	1,432	28	93	3.4		12,994.41	434,425	280	129	3.87	3.0		38,069.64	38	1,371	27.77	1,750
1920	43,039.25	1,175,474	3,360	29	1.07	3.7		27,592.06	801,594	572	115	4.02	3.4		62,829.08	87	2,316	33.78	4,019
1921	48,442.47	1,524,750	3,442	37	1.17	3.2		31,165.17	945,133	636	122	4.08	3.3		72,338.56	130	2,957	24.46	4,208

1922	52,252.23	1,657,651	3,540	39	1.23	3.1		33,091.92	1,047,783	745	117	3.70	3.2		77,861.75	131	3,072	25.35	4,416
1923	58,371.93	2,093,428	3,491	49	1.30	2.7		37,988.73	1,246,010	625	166	5.06	3.0		80,531.46	128	3,233	24.90	4,244
1924	55,578.51	2,687,021	3,517	64	1.32	2.1		36,375.01	1,730,446	640	228	4.79	2.1		72,019.77	135	2,886	28.42	4,292
1925	61,478.41	2,714,685	3,706	63	1.42	2.1		39,162.33	1,583,419	630	208	5.14	2.5		72,138.35	124	2,884	25.01	4,460
Galt—																			
1912	8,183.69	.....	830	....	1.22	....	11	9,732.86	.....	250	....	.....	....	11	10,042.59	47	.....	.....	1,127
1913	10,535.38	.....	1,122	....	1.10	....		11,648.49	.....	353	....	3.25	....		16,575.61	65	.....	.....	1,540
1914	15,797.16	300,121	1,745	20	1.08	5.3		11,952.75	289,857	339	68	2.80	4.1		23,826.87	70	.....	.....	2,154
1915	17,024.42	512,443	2,038	23	75	3.3		8,794.36	350,788	375	92	2.10	2.3		30,547.84	75	.....	.....	2,488
1916	19,961.17	716,396	2,236	28	78	2.8		10,485.26	532,860	386	115	2.30	2.0		36,029.78	79	.....	.....	2,701
1917	24,248.31	1,023,106	2,444	36	86	2.4		12,082.97	694,661	371	156	2.71	1.7		48,261.79	83	2,716	17.77	2,898
1918	26,901.52	1,221,416	2,460	41	91	2.2		12,190.29	602,628	371	135	2.73	2.0		54,541.61	87	3,082	17.69	2,918
1919	29,669.11	1,409,698	2,594	46	96	2.1		13,856.90	696,221	381	152	3.03	2.0		43,775.91	100	2,632	16.63	3,075
1920	38,460.34	1,925,475	2,766	58	1.17	2.0		17,575.07	856,285	404	176	3.63	2.0		49,159.43	103	3,032	16.21	3,273
1921	44,879.01	2,460,073	2,962	70	1.26	1.8		19,055.01	963,067	417	192	3.81	2.0		47,079.49	107	3,259	14.45	3,485
1922	61,672.58	3,408,568	3,092	92	1.66	1.8		23,325.29	1,122,766	442	212	4.40	2.0		60,032.86	118	3,420	17.55	3,652
1923	67,731.45	4,335,491	3,180	115	1.80	1.6		23,275.04	1,138,830	450	213	4.35	2.0		71,429.62	120	3,420	20.88	3,854
1924	84,140.65	4,841,447	3,289	125	2.17	1.7		29,210.79	1,331,347	504	233	5.10	2.2		81,135.66	123	3,318	24.45	3,917
1925	83,531.31	4,730,809	3,305	119	2.10	1.8		30,382.72	1,163,851	490	198	5.16	2.6		82,128.77	125	3,430	23.94	3,725
Guelph—																			
1912	10,251.87	.....	960	....	.....	....	8	16,400.57	.....	345	....	.....	....	8	30,139.00	73	.....	.....	1,378
1913	11,528.07	224,373	1,260	17	87	5.2	+25*	15,075.61	287,561	400	67	3.38	5.2	+15*	42,091.34	85	.....	.....	1,745
1914	16,920.54	286,032	1,573	17	1.00	5.9		15,923.51	325,080	441	65	3.16	4.9		38,148.46	80	.....	.....	2,094
1915	15,514.10	366,928	1,824	18	76	4.2		12,692.86	437,567	474	83	2.32	2.8		38,404.28	81	.....	.....	2,379
1916	17,221.76	469,528	2,033	20	74	3.7		13,710.72	522,526	490	91	2.36	2.6		48,369.83	86	.....	.....	2,609
1917	19,379.44	594,936	2,202	23	77	3.3		13,760.01	576,911	505	97	2.31	2.4		57,380.71	87	2,578	22.26	2,794
1918	21,594.80	666,422	2,380	24	78	3.2		13,070.44	589,498	512	96	2.14	2.2		62,480.67	83	3,496	17.87	2,975
1919	25,157.62	862,801	2,677	27	89	3.3		15,487.44	783,989	529	123	2.44	2.0		54,810.39	89	3,437	15.95	3,295
1920	30,371.10	1,152,485	3,064	32	83	2.6		19,523.95	905,198	548	138	2.97	2.2		69,534.96	93	4,376	15.89	3,705
1921	38,421.71	1,422,305	3,292	36	97	2.7		23,439.07	987,198	579	142	3.37	2.4		72,549.55	90	5,036	14.41	3,991
1922	47,212.44	2,000,093	3,610	48	1.14	2.3		28,146.36	1,154,197	601	163	3.97	2.4		89,341.42	103	5,205	17.16	4,314
1923	58,659.14	2,975,898	3,938	62	1.26	2.0		31,887.33	1,388,240	615	188	4.33	2.2		110,771.29	106	4,951	22.37	4,659
1924	67,385.61	3,454,186	4,332	69	1.36	2.0		34,181.62	1,503,142	655	197	4.49	2.3		121,814.40	109	6,182	19.75	5,136
1925	70,475.79	3,690,989	4,375	71	1.35	1.9		35,789.92	1,589,188	640	204	4.60	2.2		115,983.96	112	6,281	18.46	5,127

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group I—CITIES

Municipality / Year	Domestic service							Commercial light service							Power service					
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	Total number of consumers
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Hamilton—																			
1913	34,451.95	862,937	5,117	....	....	3.9	8	25,453.99	628,471	924	....	....	4.1	8	47,415.58	209	.....	.....	6,250
1914	74,668.38	1,856,627	8,404	23	92	4.0	+25*	35,125.57	1,309,863	1,375	95	2.55	3.4		70,665.43	337	.....	.....	10,116
1915	92,207.60	2,514,104	10,595	23	81	3.7		34,633.16	1,840,920	1,434	109	2.06	1.9		84,789.71	406	.....	.....	12,435
1916	108,137.22	3,625,059	12,423	26	78	3.0		36,126.03	2,085,601	1,546	116	2.02	1.8		115,224.78	464	.....	.....	14,433
1917	135,224.12	5,276,696	14,340	32	84	2.6		36,740.19	2,426,174	1,668	126	1.91	1.5		137,249.87	526	8,010	17.13	16,534
1918	157,020.32	6,582,496	15,421	36	87	2.3		37,154.72	2,467,464	1,664	123	1.85	1.5		172,313.53	523	11,673	14.76	17,608
1919	187,079.25	8,236,029	17,652	39	88	2.3		44,372.46	3,501,915	1,826	160	2.02	1.3		198,180.83	589	14,007	12.79	20,067
1920	194,103.14	8,958,561	18,195	41	94	2.3		44,501.23	3,861,584	1,831	176	2.02	1.1		248,270.75	598	18,721	13.26	20,624
1921	237,348.81	11,042,726	19,822	46	1.00	2.1		53,217.08	4,432,935	2,021	183	2.20	1.2		222,378.34	629	16,312	13.63	22,472
1922	277,025.34	14,747,340	21,620	59	1.11	1.9		63,683.93	4,982,377	2,243	195	2.49	1.3		272,417.09	678	18,800	14.49	24,541
1923	356,342.84	20,527,886	24,543	70	1.21	1.7		94,431.49	6,348,028	2,564	206	3.07	1.5		323,465.87	708	21,662	14.93	27,815
1924	389,531.34	24,411,719	24,556	83	1.32	1.7		111,271.35	7,030,011	2,630	226	3.57	1.6		337,756.67	716	19,086	17.68	27,902
1925	428,729.87	28,357,737	25,426	93	1.40	1.5		112,501.46	8,309,943	2,707	256	3.46	1.4		335,821.22	737	21,288	15.77	28,870
Kingston—																			
1918	27,760.31	396,512	1,873	....	.....	....	10	45,743.73	686,846	685	....	.....	....	10	32,025.98	104	.....	.....	2,662
1919	32,247.30	537,657	2,166	21	1.24	6.0		49,268.27	966,250	759	106	5.41	5.1		42,710.51	112	1,576	27.11	3,037
1920	36,308.98	751,367	2,677	23	1.13	4.8		47,611.14	1,167,246	772	126	5.14	4.1		40,763.23	115	1,818	22.42	3,564
1921	45,106.18	1,044,514	3,122	28	1.20	4.3		40,129.35	1,229,740	802	128	5.11	4.0		45,835.78	124	2,295	19.97	4,047
1922	57,519.97	1,435,616	3,498	36	1.45	4.0		58,501.36	1,331,863	787	139	6.14	4.4		55,428.85	131	2,808	19.74	4,416
1923	65,725.36	1,623,808	3,917	34	1.39	4.0		60,376.47	1,526,887	832	152	6.04	3.9		48,959.97	133	2,349	20.84	4,882
1924	74,607.81	2,094,017	4,226	43	1.53	3.6		61,256.74	1,811,918	854	179	6.05	3.4		51,240.56	138	2,575	19.90	5,218
1925	83,505.74	2,550,680	4,593	48	1.58	3.3		62,688.99	2,002,628	825	199	6.22	3.1		62,374.79	136	3,187	19.57	5,554

Kitchener—																				
1912	14,585.02	.....	1,022	....	....	....	11	19,080.32	.....	422	....	....	....	11	28,654.23	105	.....	.....	1,549
1913	15,291.37	.....	1,291	....	1.10	....	+25*	19,548.91	.....	470	....	3.65	....	+25*	35,655.90	127	.....	.....	1,888
1914	17,757.08	359,307	1,694	20	99	4.9		19,549.45	562,630	519	95	3.29	3.5		49,173.17	130	.....	.....	2,343
1915	19,108.60	494,725	2,032	22	85	3.9		16,807.15	579,303	546	91	2.63	2.9		54,732.50	138	.....	.....	2,716
1916	20,876.63	582,754	2,407	22	79	3.6		17,323.67	801,789	543	123	2.65	2.2		62,436.31	147	.....	.....	3,097
1917	24,051.18	748,390	2,712	24	78	3.2		17,494.18	866,798	577	129	2.60	2.2		84,818.46	157	4,012	21.14	3,446
1918	26,810.70	860,230	2,822	25	80	3.1		17,033.78	835,734	547	123	2.52	2.0		93,422.21	155	4,621	20.23	3,524
1919	31,643.49	1,108,883	3,251	29	81	2.8		20,095.87	1,193,095	586	170	2.87	1.7		112,988.87	167	5,791	19.51	4,004
1920	39,506.53	1,513,601	3,524	36	93	2.6		25,744.25	1,474,127	611	201	3.51	1.7		143,025.34	179	7,083	20.19	4,314
1921	48,095.22	2,006,311	3,740	45	1.07	2.4		32,306.38	1,762,746	615	239	4.39	1.8		124,233.93	182	7,843	16.60	4,537
1922	59,793.35	3,424,611	4,297	71	1.24	1.7		41,788.58	2,115,246	663	276	5.45	1.9		151,234.90	212	8,051	18.78	5,172
1923	83,773.70	5,004,505	4,619	90	1.51	1.6		45,887.85	2,692,800	687	327	5.56	1.7		176,598.52	223	9,053	19.51	5,529
1924	99,430.08	6,495,430	4,895	114	1.74	1.5		52,442.55	3,107,263	739	363	6.13	1.7		208,122.84	234	10,134	20.53	5,868
1925	110,781.46	7,445,849	5,233	122	1.82	1.5		58,474.54	3,691,614	781	405	6.41	1.6		226,085.46	232	9,790	23.08	6,246
London—																				
1912	28,196.62	.....	3,851	....	....	....	9	28,527.44	.....	792	....	....	....	9	52,633.00	158	.....	.....	4,801
1913	41,932.42	920,000	5,201	17	77	4.5	+25*	39,256.07	1,350,000	1,007	125	3.63	3.0	+25*	79,758.96	198	.....	.....	5,406
1914	57,473.08	1,192,000	6,299	18	83	4.8		47,593.44	1,580,000	1,075	127	3.81	3.0		130,936.35	249	.....	.....	7,649
1915	57,184.75	1,732,435	7,326	21	70	3.3		43,751.37	1,452,896	1,046	137	3.44	3.0		148,567.23	271	.....	.....	8,643
1916	17,146.90	2,378,144	8,282	25	76	2.9		48,747.74	1,930,269	1,129	147	....	2.5		180,204.33	295	.....	.....	9,706
1917	86,454.36	3,288,286	9,036	31	83	2.6		52,511.01	2,277,566	1,261	159	3.66	2.4		181,973.61	†328	7,264	22.14	10,625
1918	99,240.58	3,855,134	10,703	32	83	2.5		52,593.28	2,584,904	1,699	143	2.96	2.0		193,686.30	†418	10,261	18.87	12,820
1919	118,188.27	4,885,144	11,495	28	86	2.4		67,190.85	3,524,793	1,831	160	3.06	1.9		195,180.40	467	9,491	20.56	13,793
1920	143,963.71	6,609,361	12,386	44	97	2.2		76,450.76	4,287,591	1,979	180	3.30	1.8		211,081.19	513	11,171	18.90	14,878
1921	185,949.18	9,492,585	13,117	60	1.18	1.9		92,874.24	5,533,748	1,785	258	4.38	1.7		245,447.07	466	9,761	25.14	15,368
1922	217,828.22	11,996,050	13,993	74	1.34	1.8		99,302.57	6,000,287	1,872	273	4.53	1.7		269,970.82	490	11,915	22.66	16,355
1923	267,105.90	15,974,734	14,953	89	1.48	1.6		111,888.47	6,706,869	1,881	297	4.95	1.6		331,832.34	545	13,724	24.17	17,379
1924	278,264.74	17,069,632	14,957	95	1.55	1.6		115,523.61	6,934,680	1,907	305	5.08	1.7		335,433.84	497	14,957	22.43	17,361
1925	284,153.07	19,151,935	15,374	104	1.54	1.5		124,697.36	8,032,114	1,992	336	5.22	1.5		341,043.45	511	15,591	21.87	17,877
Niagara Falls—																				
1916	21,733.29	.....	2,050	....	....	....	3.5	13,259.02	.....	400	....	....	....	Flat	9,613.01	80	.....	.....	2,530
1917	22,566.76	867,639	2,273	31	99	2.6		11,012.51	651,884	405	134	2.27	1.7		18,804.36	55	713	13.49	2,733
1918	26,423.31	882,174	2,447	31	93	2.9		10,692.04	528,376	418	107	2.16	2.0		22,242.65	61	1,480	15.03	2,926
1919	33,221.90	1,419,901	2,648	45	1.05	2.4		12,639.15	899,210	456	164	2.31	1.4		24,686.72	75	1,905	12.96	3,179
1920	46,839.29	2,378,263	2,907	68	1.34	2.0		15,366.26	909,516	488	155	2.62	1.7		28,739.95	86	2,102	13.67	3,481
1921	59,772.54	3,598,610	3,048	99	1.63	1.6		21,208.21	1,376,527	528	217	3.35	1.5		33,220.24	90	2,505	13.26	3,666
1922	72,634.03	4,718,606	3,163	127	1.95	1.5		26,699.31	2,140,826	542	334	4.16	1.2		38,485.41	93	2,687	14.32	3,798
1923	82,424.59	6,132,605	3,329	153	2.06	1.3		30,780.07	2,657,308	546	405	4.69	1.2		52,157.69	87	2,890	18.04	3,962
1924	93,779.71	6,942,792	3,499	169	2.29	1.4		36,889.06	2,701,477	552	410	5.60	1.4		55,340.28	81	2,842	19.47	4,132
1925	104,518.63	8,052,735	3,810	184	2.38	1.3		39,186.70	2,837,020	574	420	5.80	1.4		63,675.81	87	3,059	20.81	4,471

*Meter rental. †London and Port Stanley Railway and London Street Railway revenue excluded.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group I—CITIES

Municipality	Year	Domestic service							Commercial light service							Power service				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Ottawa—																				
	1912	62,598.18	.....	5,390	....	....	....	7	51,365.91	.....	440	....	.....	....	7	25,299.94	90	.....	.....	5,920
	1913	68,032.27	.....	5,766	....	1.02	....	+8*	53,438.04	.....	818	....	7.08	....	+8*	26,978.76	152	.....	.....	6,736
	1914	68,767.48	1,376,353	6,342	19	95	5.0		51,769.72	1,061,263	852	106	5.16	4.9		31,748.23	156	.....	.....	7,350
	1915	67,441.19	1,767,519	7,338	22	82	3.8		46,636.99	1,501,978	1,060	131	4.07	3.1		32,126.50	140	.....	.....	8,538
	1916	72,875.12	2,131,307	7,912	23	80	3.4		42,569.96	1,786,603	1,107	137	3.27	2.4		42,996.39	188	.....	.....	9,207
	1917	81,506.24	2,376,141	8,636	24	82	3.4		48,546.77	2,048,160	1,167	150	3.57	2.4		63,173.09	204	3,553	17.72	10,007
	1918	88,020.83	3,331,473	9,047	31	82	2.3		50,733.92	2,358,017	1,182	167	3.59	2.1		64,655.78	207	4,743	13.63	10,436
	1919	97,402.16	4,825,279	8,976	45	90	2.0		52,187.97	3,235,802	1,212	212	3.59	1.6		63,255.59	205	4,401	14.37	10,393
	1920	109,844.13	5,959,360	9,451	53	97	1.8		62,833.70	3,248,561	1,278	212	4.10	1.9		61,681.26	210	4,531	13.61	10,939
	1921	131,863.72	8,056,660	9,955	67	1.10	1.6		67,251.51	3,674,286	1,349	227	4.15	1.8		63,333.74	228	4,910	12.90	11,532
	1922	154,936.08	11,303,704	10,493	93	1.26	1.4		80,732.27	4,332,772	1,415	261	4.87	1.9		66,739.71	229	5,135	14.52	12,137
	1923	185,916.79	16,180,621	11,050	122	1.40	1.1		86,984.66	5,250,246	1,429	306	5.07	1.6		78,535.26	240	5,410	13.00	12,719
	1924	201,346.25	18,394,354	11,022	139	1.52	1.1		97,707.78	5,790,680	1,440	336	5.68	1.7		77,792.76	243	5,672	13.72	12,705
	1925	212,278.18	20,241,874	11,155	151	1.60	1.1		104,712.88	6,360,546	1,451	365	6.01	1.6		82,174.72	207	5,703	14.40	12,813
Owen Sound—																				
	1916	16,003.61	225,620	1,386	....	....	7.1	6.4	23,724.21	388,717	435	....	.....	6.1	6.4	13,772.61	83	.....	.....	1,894
	1917	15,740.76	266,322	1,438	16	93	5.9	+15*	13,809.15	341,361	419	67	2.71	4.1	+15*	28,667.22	84	1,176	24.37	1,941
	1918	16,071.58	310,256	1,492	17	91	5.1		14,011.58	341,751	403	69	2.84	4.1		32,069.70	84	1,177	27.25	1,979
	1919	17,879.28	605,348	1,611	31	93	3.0		13,931.89	521,847	418	104	2.78	2.7		23,289.00	92	1,005	23.17	2,121
	1920	21,798.24	719,811	1,861	32	97	3.0		15,160.58	520,485	449	97	2.81	2.9		24,645.87	105	1,231	20.02	2,415
	1921	26,511.72	700,833	2,075	28	1.06	3.8		16,442.16	730,759	457	133	3.00	2.2		29,116.14	109	1,403	20.75	2,641
	1922	31,744.31	955,010	2,285	35	1.12	3.3		18,851.65	728,910	460	133	3.43	2.6		30,538.65	115	1,567	19.49	2,860
	1923	35,771.38	1,245,612	2,410	43	1.24	2.9		19,593.46	869,446	475	153	3.44	2.3		32,189.46	107	1,526	21.09	2,992
	1924	33,965.82	1,582,637	2,548	53	1.14	2.1		20,304.15	1,073,154	493	185	3.50	1.9		29,663.77	108	1,385	21.41	3,149
	1925	37,503.24	1,805,993	2,655	58	1.20	2.1		24,304.01	1,097,567	519	181	4.00	2.2		26,819.75	116	1,306	20.54	3,290

Peterborough—																				
1914	8,661.71	.....	2,692	....	....	....	Flat	7,749.91	.....	507	....	.....	....	Flat	7,013.23	93	.....	.....	3,292
1915	27,998.24	.....	3,221	....	79	....		27,563.41	.....	602	....	4.14	....		30,185.83	113	.....	.....	3,936
1916	31,020.72	510,359	3,401	13	78	6.1		26,403.82	467,663	602	65	3.66	5.6		36,597.04	117	.....	.....	4,120
1917	40,043.65	973,937	4,152	22	88	4.1		26,601.65	613,865	671	80	3.49	4.3		46,235.49	122	2,871	16.10	4,945
1918	43,049.23	1,166,437	4,409	22	83	3.6		24,679.61	883,196	699	107	3.00	2.7		48,055.38	119	3,432	14.00	5,227
1919	46,282.34	1,378,472	4,257	27	91	3.3		27,616.40	1,207,218	652	164	3.53	2.2		38,930.06	119	2,317	16.80	5,028
1920	51,291.38	1,659,204	4,463	31	96	3.1		30,144.81	1,595,400	689	193	3.64	1.9		51,072.38	121	3,109	16.43	5,273
1921	59,506.10	2,027,601	4,663	36	1.06	2.9		35,364.67	1,964,887	729	225	4.04	1.8		76,195.98	129	4,772	15.97	5,521
1922	68,182.00	2,439,632	4,814	43	1.20	2.8		34,343.99	2,246,434	752	253	3.85	1.5		63,833.18	127	3,879	16.46	5,693
1923	75,853.54	2,919,306	4,966	49	1.27	2.6		40,522.25	2,396,945	743	269	4.54	1.7		71,549.20	124	4,261	16.79	5,833
1924	80,417.54	3,119,460	5,266	51	1.31	2.6		41,591.42	2,411,775	766	266	4.59	1.7		69,269.44	134	4,145	16.71	6,166
1925	86,940.36	3,459,943	5,487	54	1.35	2.5		49,882.92	2,486,909	802	264	5.30	2.0		66,498.04	131	4,032	16.46	6,420
Port Arthur—																				
1913	81,830.66	.....	2,409	....	....	....	8	†	.....	500	....	.....	....	8	51,748.11	55	.....	.....	2,464
1914	38,097.65	.....	2,969	....	....	....	+25*	32,933.91	.....	550	....	.....	....	+25*	92,804.49	55	.....	.....	3,574
1915	32,048.37	.....	2,800	....	....	....		28,662.58	.....	550	....	.....	....		85,060.78	50	.....	.....	3,900
1916	31,152.52	.....	2,701	....	....	....		27,439.63	.....	481	....	.....	....		96,913.51	46	.....	.....	3,228
1917	33,358.31	.....	2,783	....	....	....		28,235.05	.....	503	....	.....	....		111,367.47	42	5,093	21.88	3,328
1918	37,216.29	1,157,382	2,807	34	1.11	3.2		31,612.57	919,826	535	147	5.07	3.4		142,118.26	42	6,967	20.39	3,384
1919	41,584.37	1,342,696	2,633	43	1.32	3.1		33,390.02	978,503	625	131	4.45	3.4		168,517.53	58	8,420	20.01	3,316
1920	45,432.34	1,641,294	2,960	45	1.28	2.8		32,165.55	1,078,290	590	152	4.54	3.0		178,529.32	59	8,983	19.57	3,609
1921	49,880.56	2,049,606	3,088	56	1.37	2.4		31,067.82	1,250,356	619	172	4.28	2.5		185,395.43	64	9,556	19.40	3,771
1922	52,356.36	2,544,274	3,153	68	1.40	2.1		34,267.89	1,458,218	630	194	4.57	2.4		228,365.08	80	11,796	19.36	3,863
1923	55,526.19	3,265,548	3,281	84	1.44	1.7		36,892.19	1,677,338	664	216	4.75	2.2		338,532.24	79	18,335	18.46	3,862
1924	65,709.88	4,097,699	3,389	104	1.67	1.6		42,658.99	1,987,016	663	356	5.50	2.1		420,440.79	78	20,852	20.11	4,130
1925	67,655.54	4,389,679	3,413	108	1.66	1.5		44,761.64	2,249,909	668	282	5.61	2.0		564,443.57	81	26,707	21.13	4,162
St. Catharines—																				
1914	2,013.48	53,572	833	....	....	3.7	7	412.75	22,843	92	....	.....	1.9	7	12,742.98	20	.....	.....	945
1915	9,540.70	273,389	1,612	19	65	3.5		3,810.11	196,056	192	115	2.23	1.9		25,193.30	34	.....	.....	1,838
1916	16,419.57	591,765	2,410	24	68	2.8		5,925.49	318,877	247	121	2.25	1.5		40,688.67	48	.....	.....	2,705
1917	24,275.56	1,038,894	2,833	31	77	2.3		6,024.34	392,524	270	127	1.99	1.5		71,138.36	52	4,418	16.10	3,155
1918	30,187.05	1,448,273	3,022	40	84	2.0		6,028.41	374,447	279	113	1.83	1.6		94,632.33	53	4,873	19.41	3,454
1919	36,710.19	1,815,947	3,428	44	89	2.0		7,401.09	489,325	299	136	2.06	1.5		48,616.67	52	3,301	14.73	3,719
1920	46,123.30	2,899,265	3,703	65	1.04	1.6		8,930.44	627,664	338	155	2.20	1.4		60,203.07	69	3,799	15.85	4,110
1921	55,560.41	3,932,393	4,040	81	1.15	1.4		10,321.67	685,855	360	159	2.39	1.5		54,947.24	84	3,773	14.56	4,484
1922	59,603.93	4,565,984	4,341	88	1.15	1.3		11,409.66	824,900	398	173	2.39	1.4		66,583.84	93	4,057	16.40	4,832
1923	77,332.47	4,394,072	4,598	79	1.40	1.7		15,293.23	981,783	445	184	2.86	1.5		77,224.26	105	4,621	16.71	5,148
1924	89,008.31	5,380,069	4,851	95	1.57	1.6		17,302.65	1,126,451	481	203	3.11	1.5		65,642.90	106	4,242	15.48	5,438
1925	95,398.87	5,832,281	5,042	98	1.61	1.6		19,200.20	1,251,754	510	210	3.23	1.5		58,691.32	110	3,850	15.25	5,563

*Meter rental. †Domestic and commercial light not separated.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group I—CITIES

Municipality	Year	Domestic service							Commercial light service							Power service				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c	kw-hrs.		kw-hr.	$ c	cts.	c.s.	$ c	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c			$ c.	
St. Thomas—																				
	1912	7,596.01	.....	620	....	....	....	11	18,741.74	.....	300	....	....	....	11	14,761.30	60	.....	.....	980
	1913	11,125.50	187,000	951	19	1.18	5.9		16,097.41	272,000	329	72	4.26	5.9	.....	36,550.26	70	.....	.....	1,350
	1914	13,221.00	277,539	1,499	19	90	4.8		13,480.75	346,994	384	81	3.15	3.9		44,247.13	92	.....	.....	1,975
	1915	16,517.37	460,103	1,903	23	81	3.6		13,442.48	504,679	434	102	2.73	2.7		44,780.45	101	.....	.....	2,438
	1916	20,210.52	629,102	2,241	25	81	3.2		15,145.47	607,131	464	93	2.81	2.5		46,698.91	107	.....	.....	2,812
	1917	22,620.72	759,512	2,524	27	79	3.0		14,843.27	600,317	472	107	2.64	2.5		44,977.52	112	2,349	19.15	3,108
	1918	25,561.20	877,011	2,654	28	82	2.9		12,332.86	694,990	481	121	2.15	1.7		53,973.48	112	2,546	21.19	3,247
	1919	29,904.22	1,001,693	3,073	27	81	2.9		14,958.16	796,838	504	132	2.47	1.9		54,035.16	112	2,754	19.62	3,689
	1920	39,060.45	1,486,606	3,485	36	93	2.6		19,489.14	868,845	523	138	3.10	2.2		53,682.89	112	3,167	16.96	4,120
	1921	41,410.99	1,749,059	3,355	43	1.03	2.4		21,113.52	983,369	547	150	3.22	2.1		50,755.91	110	3,300	15.38	4,012
	1922	48,664.67	2,312,688	3,744	54	1.15	2.1		25,144.74	1,148,936	574	171	3.74	2.2		58,344.66	116	3,578	16.31	4,434
	1923	61,460.88	3,196,742	3,911	68	1.30	1.9		27,924.54	1,379,900	593	193	3.92	2.0		73,951.69	112	3,773	19.60	4,616
	1924	63,645.65	3,661,173	3,747	80	1.38	1.7		31,726.62	1,546,218	603	215	4.42	2.1		73,883.39	116	3,818	19.35	4,466
	1925	70,086.24	4,059,317	3,838	89	1.54	1.7		39,937.34	1,688,468	626	229	5.41	2.3		72,709.18	115	3,685	19.73	4,579
Sarnia—																				
	1917	25,655.32	385,770	2,150	15	99	6.6	6	18,724.77	405,824	439	75	3.55	4.4	5—4	33,693.36	58	1,014	33.23	2,647
	1918	28,772.83	549,370	2,380	20	1.05	5.2		19,935.11	494,635	445	93	3.75	4.0		35,272.45	62	1,110	31.78	2,887
	1919	33,920.44	720,871	2,681	22	1.05	4.7		22,668.63	534,075	492	91	3.84	4.2		68,714.03	70	2,065	33.28	3,243
	1920	44,174.44	1,028,520	2,918	29	1.26	4.3		28,041.43	566,212	477	98	4.90	5.0		100,632.53	65	2,687	37.45	3,460
	1921	51,857.64	1,473,021	3,591	34	1.20	3.5		29,269.89	841,088	546	127	4.47	3.5		90,166.93	79	2,816	22.02	4,216
	1922	57,975.10	1,903,231	3,928	42	1.29	3.0		24,663.65	949,077	565	143	3.54	2.5		92,054.18	86	2,950	31.20	4,579
	1923	69,562.83	2,591,212	3,923	55	1.47	2.6		31,650.47	1,071,813	558	160	4.72	2.9		99,326.63	79	3,024	32.84	4,560
	1924	74,902.85	2,868,366	4,176	59	1.54	2.6		34,052.52	1,239,824	610	177	4.86	2.7		99,656.44	78	2,935	33.95	4,864
	1925	82,579.61	3,473,809	4,264	69	1.63	2.4		35,927.54	1,421,690	588	198	5.00	2.5		97,691.02	75	2,920	33.45	4,927

Stratford—																			
1912	6,942.56	.....	640	....	90	....	12	14,661.16	.....	316	....	3.86	....	12	8,834.40	76	.....	.....	1,032
1913	11,550.71	.....	1,042	....	1.02	....	+25*	17,072.61	.....	367	....	4.15	....	+12*	14,272.59	92	.....	.....	1,501
1914	15,180.91	269,459	1,403	18	1.03	5.5		16,336.30	345,639	396	76	3.55	4.7		16,519.24	99	.....	.....	1,898
1915	16,967.58	388,200	1,724	21	90	4.4		14,766.75	400,680	439	79	2.92	3.7		15,415.78	104	.....	.....	2,267
1916	20,108.76	553,441	1,993	26	90	3.6		14,803.08	601,616	463	110	2.75	2.5		23,506.12	103	.....	.....	2,559
1917	26,614.85	831,496	2,492	31	99	3.2		16,385.81	613,108	388	120	3.21	2.6		27,846.16	112	1,167	23.86	2,992
1918	29,314.17	1,047,437	2,626	34	95	2.7		15,261.26	518,122	399	109	3.23	2.9		27,845.41	118	1,234	22.56	3,143
1919	35,342.84	1,380,776	2,898	40	1.02	2.6		17,330.26	636,710	408	130	4.53	2.7		26,420.07	124	1,250	21.14	3,430
1920	41,679.50	1,956,442	3,193	51	1.09	2.1		19,050.82	779,670	423	154	3.75	2.4		34,923.97	137	1,618	21.58	3,753
1921	50,918.45	2,646,048	3,414	63	1.24	1.9		19,459.85	828,518	455	152	3.56	2.3		33,036.65	146	1,702	19.41	4,015
1922	64,796.40	3,768,062	3,652	89	1.53	1.7		21,947.00	1,111,986	477	201	3.96	2.0		32,619.11	157	1,696	19.23	4,286
1923	86,303.19	5,891,038	3,875	126	1.85	1.4		26,090.64	1,201,838	499	200	4.35	2.1		25,519.47	143	1,413	18.06	4,514
1924	127,044.76	6,414,723	4,036	135	2.68	2.0		44,026.63	1,165,241	532	188	7.12	3.8		44,887.99	140	2,050	21.90	4,737
1925	127,658.77	6,761,816	4,056	139	2.62	1.9		48,167.70	1,056,958	549	160	7.31	4.5		51,270.65	140	2,142	30.52	4,745
Toronto—																			
1912	201,554.74	.....	11,441	....	....	....	8	†	.....	†	....	.....	....	12	225,451.55	518	.....	.....	11,959
1913	190,376.89	4,220,270	16,519	25	1.25	4.4	+25*	233,799.04	6,156,073	4,764	....	4.09	3.8	+25*	347,708.88	1,037	.....	.....	22,320
1914	289,645.45	6,240,882	23,181	27	1.22	4.5		305,534.31	7,683,589	6,276	116	4.61	3.9		483,681.15	1,494	.....	.....	30,951
1915	331,807.18	8,599,559	29,724	27	1.04	3.9		291,907.92	10,243,496	7,227	126	3.60	2.8		575,239.17	1,504	.....	.....	38,455
1916	225,181.19	11,250,291	34,347	29	89	3.1		272,243.06	11,491,577	7,406	131	3.10	2.4		612,918.32	1,707	.....	.....	43,460
1917	414,043.17	15,341,150	41,358	34	91	2.7		297,459.72	12,763,343	9,341	126	2.96	2.3		734,294.61	2,028	36,856	19.92	52,727
1918	451,824.59	18,068,947	42,558	36	89	2.5		294,653.18	13,025,770	9,113	117	2.66	2.2		907,886.95	2,034	46,159	19.66	53,705
1919	560,912.00	22,799,666	51,242	37	91	2.5		382,167.17	17,197,460	10,510	136	3.03	2.2		1,144,453.76	2,225	52,200	21.93	63,977
1920	729,364.33	33,567,358	57,685	51	1.11	2.2		507,285.14	22,452,782	11,307	171	3.87	2.2		1,158,639.12	2,390	57,000	20.33	71,382
1921	865,908.45	38,662,078	67,019	48	1.08	2.2		699,144.27	24,954,872	12,401	168	4.70	2.8		1,236,518.60	2,488	58,880	21.00	81,908
1922	1,073,539.05	51,689,146	76,925	59	1.24	2.1		852,286.95	30,402,527	13,684	198	5.55	2.7		1,368,884.30	2,659	60,615	22.58	93,328
‡1923	1,627,943.88	84,345,839	102040	79	1.52	1.9		1,147,555.45	44,149,870	15,702	250	6.51	2.6		1,669,930.02	2,596	71,469	23.37	120338
1924	1,942,998.85	103,362,265	110169	81	1.53	1.9		1,314,432.44	51,370,509	17,925	255	6.51	2.6		1,724,925.90	2,802	76,585	22.52	130896
1925	2,037,445.80	111,773,943	112797	83	1.50	1.8		1,534,495.77	61,471,134	19,029	268	6.72	2.5		2,143,079.39	3,001	87,288	24.28	134827
Toronto—Direct-current and 60-cycle service—**																			
1925	136,073.83	3,879,739	3,439	94	3.30	3.4		483,041.10	11,401,528	3,208	296	12.55	4.2		662,478.96	1,444	20,764	31.90	8,091

*Meter rental. †Domestic and commercial light not separated. ‡Toronto Power Company taken over.

**This,—with the exception of a relatively small D.C. power load,—is a special service not created by the Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. The service has been continued at the request of the customers who preferred to retain the electrical apparatus installed for this special service, and has been continued at the rates prevailing before the service was acquired by the Commission.

NOTE.—The figures for power service for Toronto do not include street railway power, exhibition power and bulk supply to certain other municipalities for street lighting purposes.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group I—CITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Welland																			
1913	1,369.67	.....	408	....	....	....	8	558.46	.....	53	....	....	....	8	4,307.21	18	.....	.....	479
1914	4,411.20	117,328	492	22	82	3.7	+25*	1,676.38	64,449	53	100	2.64	2.6	+25*	8,305.71	23	.....	.....	568
1915	4,643.16	154,534	467	27	81	3.0		1,600.79	69,340	57	105	2.42	2.3		38,541.88	23	.....	.....	547
1916	4,800.06	154,706	536	26	79	3.1		1,580.48	94,582	75	141	2.40	1.7		78,184.81	24	.....	.....	635
1917	5,584.56	243,723	593	36	82	2.3		2,034.85	156,083	94	155	2.02	1.3		96,449.82	23	5,985	16.12	710
1918	7,662.93	316,947	767	38	93	2.4		2,593.74	218,721	120	170	2.02	1.1		93,972.63	28	.....	.....	.....
1919	11,262.98	642,963	985	54	95	1.7		3,678.46	329,736	145	190	2.11	1.1		60,784.43	33	4,282	14.20	1,163
1920	14,065.49	895,770	1,092	72	1.12	1.6		5,126.13	350,096	172	183	2.69	1.4		55,825.21	34	4,284	13.03	1,298
1921	18,307.67	1,291,322	1,324	81	1.15	1.4		5,955.83	444,103	211	175	2.35	1.3		43,112.95	44	4,192	10.28	1,579
1922	21,657.48	1,542,357	1,325	97	1.36	1.4		5,827.96	469,884	213	185	2.29	1.2		42,586.24	51	3,285	12.66	1,589
1923	26,285.40	1,696,274	1,440	98	1.52	1.5		7,698.72	471,395	259	151	2.47	1.6		31,693.68	56	1,583	20.02	1,755
1924	28,780.82	2,079,725	1,918	103	1.43	1.4		8,282.89	602,467	280	186	2.56	1.4		35,914.55	41	1,677	21.41	2,239
1925	40,447.16	2,755,082	2,020	119	1.71	1.4		17,900.49	916,103	383	230	4.50	1.9		41,033.69	79	1,980	20.79	2,482
Windsor																			
1914	3,143.41	.....	1,802	....	....	....	12	1,107.38	.....	257	....	....	....	8	9.77	10	.....	.....	2,069
1915	23,161.57	468,386	2,519	18	89	4.9		12,009.99	309,757	377	82	3.16	3.9		3,734.81	43	.....	.....	2,939
1916	35,565.79	726,442	3,180	21	1.04	4.9		16,831.60	465,683	439	95	3.44	3.6		7,370.82	66	.....	.....	3,685
1917	48,913.80	1,087,029	3,882	26	1.15	4.5		21,257.15	590,977	471	108	3.89	3.6		15,362.93	97	807	19.04	4,450
1918	60,080.51	1,422,096	4,415	27	1.13	4.2		21,751.80	626,579	484	108	3.75	3.5		27,574.13	101	1,205	22.88	5,000
1919	78,038.66	1,990,644	5,383	31	1.21	3.9		27,032.01	893,920	584	128	3.86	3.0		39,468.90	136	1,609	24.53	6,103
1920	144,209.01	4,496,116	8,700	53	1.71	3.2		75,244.64	2,340,661	1,220	216	7.20	3.2		156,928.21	273	5,549	28.28	10,193
1921	181,822.04	6,000,528	9,731	51	1.56	3.0		99,612.26	3,235,758	1,448	186	5.73	3.1		146,724.93	341	6,169	23.78	11,520
1922	210,050.86	8,197,159	10,450	68	1.73	2.6		103,421.01	3,799,633	1,472	217	5.90	2.7		199,445.92	321	6,958	28.64	12,243
1923	300,312.99	13,627,976	12,021	94	2.09	2.2		123,631.38	5,229,797	1,441	303	7.14	2.3		227,595.34	311	7,342	30.99	13,773

1924	323,851.35	17,494,259	11,263	125	2.32	1.9		141,192.25	6,007,751	1,473	341	8.07	2.4		198,701.35	335	7,020	28.30	13,071
1925	387,138.68	22,529,767	12,382	159	2.73	1.7		167,518.25	7,341,790	1,597	399	9.09	2.3		205,965.59	350	7,363	27.97	14,329
Woodstock—																				
1912	4,914.92	.....	464	.....	.....	.....	8	13,316.02	.....	265	.....	.....	.....	8	21,087.61	43	.....	.....	772
1913	6,495.02	100,000	636	17	1.08	6.5	+20*	12,942.32	298,000	282	77	3.95	5.2	+20*	20,262.52	55	.....	.....	973
1914	8,807.40	169,054	949	21	1.08	5.2		11,610.14	289,982	337	78	2.12	4.0		19,833.26	57	.....	.....	1,343
1915	10,472.14	230,297	1,099	20	88	4.5		11,718.95	371,787	360	90	2.80	3.1		20,742.18	62	.....	.....	1,521
1916	11,206.71	288,201	1,224	21	80	3 9		12,983.32	503,977	372	114	2.95	2.6		23,721.92	72	.....	.....	1,668
1917	12,216.48	341,160	1,363	22	79	3.6		12,573.08	554,660	387	122	2.76	2.3		23,191.47	66	2,130	.....	1,816
1918	13,901.00	423,453	1,418	25	82	3.3		11,087.25	480,092	369	108	2.50	2.3		24,020.63	68	1,427	16.83	1,855
1919	14,748.02	480,235	1,631	26	75	3.1		12,452.68	567,513	388	128	2.34	2.1		24,473.54	74	1,420	17.23	2,093
1920	22,542.71	923,186	1,850	44	1.08	2.4		14,832.22	720,766	400	153	3.14	2.1		27,048.49	77	1,682	16.08	2,237
1921	25,130.13	1,045,124	2,060	42	1.02	2.4		15,988.83	880,382	409	179	3.26	1.8		28,355.47	76	2,557	11.09	2,545
1922	32,422.51	1,619,099	2,209	63	1.27	2.0		19,033.09	970,453	423	194	3.81	2.0		30,539.85	79	1,976	15.46	2,711
1923	40,323.84	2,416,063	2,314	87	1.66	1.9		20,615.27	1,100,550	421	217	4.08	1.9		40,292.53	84	1,983	20.31	2,819
1924	47,519.61	2,892,769	2,409	102	1.68	1.6		22,608.94	1,237,879	428	242	4.43	1.8		42,582.35	86	2,048	20.79	2,923
1925	50,699.00	3,396,926	2,471	116	1.73	1.5		25,603.82	1,459,915	426	285	5.00	1.8		45,083.46	89	2,193	20.56	2,986

*Meter rental.

NOTE.—The above group of 21 municipalities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1925. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality	Year	Domestic service							Commercial light service							Power service				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
									Group II—TOWNS of Population 2,000 or more											
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Alexandria—																				
	1922	4,527.07	68,417	221	26	1.71	6.6		4,350.98	50,916	88	46	4.12	8.5		7,528.43	11	143	52.64	320
	1923	5,155.02	69,304	217	26	1.98	7.4		4,592.49	59,014	95	51	4.02	7.7		9,411.13	13	208	45.24	325
	1924	5,464.25	68,103	228	26	2.05	7.9		4,826.62	60,008	98	52	4.17	8.0		11,312.53	15	239	47.33	341
	1925	5,992.14	92,800	246	33	2.11	6.4		4,808.87	55,572	93	49	4.20	8.5		15,609.69	19	375	41.64	358
Aylmer—																				
	1918	2,569.66	.....	392	....	.....	....	10	1,986.69	.....	112	....	.....	....	10	799.21	5	.....	.....	509
	1919	5,391.99	84,789	347	20	1.30	6.4	+10*	4,886.86	77,168	118	55	3.38	6.3	+10*	3,318.98	5	104	31.91	470
	1920	6,553.82	90,129	379	20	1.44	7.3		5,831.46	77,650	109	59	4.46	7.5		3,192.47	7	146	21.86	495
	1921	7,358.00	96,078	416	19	1.47	7.6		6,238.14	78,003	108	61	4.81	8.0		3,834.16	10	171	22.42	534
	1922	7,339.17	94,804	465	17	1.32	7.7		6,422.18	83,601	118	59	4.53	7.7		3,683.25	9	175	21.05	592
	1923	8,741.34	182,132	480	31	1.51	4.7		5,293.53	128,583	123	87	4.01	4.6		3,336.85	10	200	16.68	613
	1924	7,505.68	222,871	499	38	1.28	3.4		4,420.06	147,039	122	100	3.02	3.0		5,307.30	11	240	22.11	632
	1925	6,757.07	296,881	521	49	1.10	2.2		4,984.90	171,819	128	114	3.32	2.9		7,384.75	11	267	27.58	660
Barrie—																				
	1913	10,071.55	.....	563	....	.....	....	9	9,252.70	.....	200	....	3.85	....	9	3,390.29	13	.....	.....	776
	1914	11,149.49	152,095	651	20	1.54	7.3		9,464.64	138,948	200	58	3.93	6.8		3,712.24	13	.....	.....	864
	1915	11,087.68	147,307	843	18	1.24	7.1		9,572.91	177,000	252	65	3.50	5.4		4,567.76	14	.....	.....	1,109
	1916	11,907.10	204,420	896	20	1.14	5.8		10,635.67	189,409	257	63	3.50	5.6		6,918.33	18	.....	.....	1,171
	1917	11,232.68	242,297	942	22	1.02	4.6		8,750.24	185,095	253	61	2.86	4.8		7,978.72	19	310	25.74	1,214
	1918	12,456.76	278,882	956	24	1.08	4.4		7,365.45	178,954	258	58	2.40	4.1		9,296.34	20	340	27.34	1,234

1919	12,395.37	345,723	1,079	23	96	4.2		7,245.39	283,758	268	88	2.25	2.5		12,077.45	22	432	27.96	1,369
1920	14,459.88	534,517	1,279	35	94	2.7		7,245.01	315,778	280	94	2.16	2.3		11,398.66	23	439	25.96	1,582
1921	16,926.24	732,748	1,349	45	1.05	2.3		8,227.70	389,055	267	121	2.57	2.1		10,595.15	27	485	21.05	1,643
1922	19,647.34	976,997	1,517	57	1.14	2.0		9,191.01	460,320	286	139	2.77	2.0		10,471.50	29	376	27.85	1,932
1923	24,779.83	1,590,512	1,597	82	1.29	1.5		10,564.19	614,510	292	177	3.05	1.7		10,528.02	32	480	21.93	2,021
1924	27,201.66	1,720,079	1,645	88	1.40	1.6		12,034.21	600,463	297	170	3.41	2.0		12,730.21	33	602	21.15	1,975
1925	28,522.53	1,828,221	1,719	90	1.41	1.6		13,500.86	642,531	303	178	3.75	2.1		13,049.12	30	575	22.68	2,052
Brampton—																				
1912	3,004.66	.....	409	....	....	....	9	2,893.74	.....	104	....	....	....	9	3,531.34	12	.....	.....	525
1913	5,617.61	.....	643	....	....	....	+15*	3,986.65	.....	138	....	....	....	+15*	10,557.72	16	.....	.....	797
1914	6,798.89	142,178	627	18	89	4.9		4,055.99	101,751	174	55	2.17	4.0		10,658.33	21	.....	.....	822
1915	6,860.48	159,435	691	20	86	4.3		4,053.56	116,717	174	56	1.94	3.5		11,624.83	21	.....	.....	88
1916	6,660.66	165,435	722	20	79	4.0		4,013.51	153,542	175	73	1.92	2.6		12,922.72	24	.....	.....	921
1917	7,369.15	244,218	771	27	82	3.0		4,185.97	164,055	162	81	2.09	2.6		18,107.41	27	837	21.65	960
1918	7,942.88	272,601	807	28	83	2.9		4,228.03	171,836	153	91	2.24	2.2		19,161.03	30	712	26.91	990
1919	8,818.83	328,391	846	32	85	2.7		4,503.94	205,838	180	95	2.09	2.2		14,403.89	32	765	18.83	1,058
1920	9,746.87	416,246	896	39	91	2.3		5,246.44	254,418	182	116	2.40	2.1		14,628.02	35	813	17.99	1,113
1921	12,186.84	544,838	964	47	1.05	2.2		5,659.49	291,256	189	23	2.50	2.0		13,311.10	35	829	16.06	1,188
1922	14,393.19	739,206	1,033	60	1.16	1.9		6,127.54	328,439	193	141	2.65	1.9		16,247.37	43	926	17.55	1,269
1923	17,807.01	963,973	1,088	73	1.36	1.8		7,879.71	370,885	212	145	3.09	2.1		19,192.57	52	1,073	17.88	1,352
1924	19,981.44	1,188,064	1,168	88	1.48	1.7		8,331.81	353,471	212	138	3.27	2.3		20,401.74	50	1,003	20.34	1,430
1925	21,811.36	1,228,767	1,211	86	1.53	1.8		9,861.31	389,851	220	150	3.80	2.5		19,534.45	51	905	21.57	1,482
Brockville—																				
1916	12,897.12	144,913	965	....	....	9.0	9	21,994.02	253,153	312	....	....	8.7	9	15,828.62	31	.....	.....	1,308
1917	14,507.95	152,066	1,018	13	1.22	9.5		22,907.56	246,940	378	59	5.54	9.3		30,744.84	49	631	48.72	1,445
1918	15,731.23	162,902	1,146	12	1.21	9.6		23,465.06	250,375	353	57	5.35	9.3		49,647.73	47	.....	.....	1,546
1919	18,510.68	234,923	1,339	15	1.15	7.9		22,816.26	310,515	370	70	5.14	7.3		37,013.69	56	902	41.04	1,765
1920	20,943.36	324,733	1,396	20	1.25	6.4		20,382.61	368,790	344	89	4.94	5.6		38,572.72	59	1,113	34.66	1,799
1921	27,780.61	382,226	1,542	21	1.50	7.3		24,960.63	399,529	350	95	5.94	6.2		43,864.40	65	1,210	36.25	1,957
1922	31,330.52	434,339	1,686	21	1.55	7.4		25,198.96	405,571	374	90	5.61	6.2		49,391.67	63	1,323	37.33	2,123
1923	35,622.98	516,382	1,838	23	1.61	6.8		26,034.58	418,744	376	93	5.77	6.2		56,620.78	64	1,688	33.54	2,278
1924	29,374.80	594,611	2,087	25	1.25	5.0		21,015.37	467,693	394	101	4.55	4.5		55,405.36	68	1,832	30.24	2,549
1925	28,349.67	744,048	2,130	29	1.12	3.9		18,624.07	485,434	394	103	3.94	3.8		47,778.92	66	1,614	29.59	2,590
Carleton Place—																				
1920	8,241.32	210,676	636	28	1.08	3.9	6	6,835.20	229,583	144	133	3.95	3.0	6	17,787.06	18	647	27.49	798
1921	11,854.98	296,188	664	37	1.49	4.0		7,974.78	193,141	150	107	4.43	4.1		20,531.28	13	709	28.96	827
1922	12,654.99	249,425	713	29	1.48	5.1		7,206.47	143,660	160	75	3.75	5.0		23,811.52	14	800	29.76	887
1923	13,249.12	270,913	755	29	1.46	4.8		7,671.08	157,775	168	78	3.80	4.8		22,900.01	17	771	29.70	940
1924	13,950.50	317,457	796	34	1.50	4.4		8,167.48	158,421	174	77	3.98	5.2		27,045.97	16	821	32.96	986
1925	14,828.63	349,801	827	36	1.52	4.2		8,687.09	161,118	177	77	4.14	5.4		28,423.97	14	785	36.19	1,018

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group II—TOWNS

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Collingwood—																			
1913	7,013.66	83,406	477	....	....	8.4	11	9,362.17	108,676	220	....	....	8.4	11	896.72	18	.....	.....	715
1914	7,857.86	103,598	554	16	1.27	7.6	+10*	7,555.54	123,276	232	46	2.78	6.1	+10*	5,165.39	21	.....	.....	807
1915	7,094.27	118,336	622	17	1.00	6.0		5,688.26	116,583	233	42	2.04	4.9		9,527.70	26	.....	.....	881
1916	8,320.44	162,464	714	20	1.04	5.1		6,213.86	163,956	243	58	2.18	3.8		23,152.41	33	....	.....	989
1917	8,734.98	243,070	835	26	.94	3.6		5,398.59	189,485	236	66	1.99	2.8		38,989.24	41	1,558	25.04	1,112
1918	11,145.94	207,082	919	24	1.05	4.3		6,287.25	226,399	234	80	2.23	2.7		53,323.26	49	2,149	24.77	1,202
1919	11,510.41	431,071	1,007	37	.95	2.7		6,080.21	272,538	235	97	2.17	2.2		32,037.22	50	1,498	21.39	1,292
1920	13,999.34	523,185	1,077	40	1.08	2.7		7,121.77	305,199	242	105	2.45	2.3		26,092.24	52	1,654	15.78	1,371
1921	16,194.56	626,471	1,138	45	1.19	2.7		8,511.75	310,447	246	105	2.88	2.7		18,710.63	53	853	21.94	437
1922	18,019.10	655,716	1,183	47	1.30	2.7		9,843.60	392,532	248	132	3.32	2.5		28,899.13	60	1,193	24.22	1,491
1923	19,139.43	785,397	1,230	53	1.29	2.4		8,457.52	273,316	254	89	2.77	3.0		32,987.40	59	1,270	25.88	1,543
1924	19,128.61	918,922	1,273	61	1.27	2.1		8,336.32	362,111	255	118	2.50	2.2		27,403.98	55	1,188	23.07	1,583
1925	18,995.07	1,001,450	1,290	65	1.24	1.9		10,072.62	398,389	255	130	3.29	2.5		22,788.52	54	1,010	22.56	1,599
Dundas—																			
1913	3,045.85	.....	377	....	....	....	10	4,193.27	.....	134	....	....	....	10	3,070.40	27	.....	....	538
1914	5,349.24	92,168	520	19	99	5.8	+25*	4,198.64	119,947	153	69	2.44	3.5	+25*	4,305.96	30	.....	....	703
1915	6,139.97	128,600	613	19	90	4.8		4,310.90	157,477	160	84	2.29	2.7		6,930.54	37	.....	.....	810
1916	6,925.46	146,710	673	19	89	4.8		4,714.78	179,151	168	91	2.39	2.6		10,915.58	35	.....	.....	876
1917	8,335.64	217,654	783	25	95	3.8		4,190.60	104,950	175	75	2.04	2.7		10,284.87	38	659	15.61	996
1918	9,361.34	262,147	861	26	95	4.4		4,428.66	192,116	170	92	2.14	2.3		9,077.00	42	590	15.38	1,073
1919	10,447.60	255,119	631	34	1.40	4.1		5,111.72	213,941	145	123	2.77	2.3		13,861.02	38	839	16.52	814
1920	8,244.97	423,784	754	47	.91	1.9		5,239.16	259,955	158	137	2.76	2.0		21,725.24	42	1,128	19.26	954
1921	11,047.75	426,368	848	42	1.09	2.6		6,174.18	276,662	170	136	3.03	2.2		21,717.63	50	1,074	20.22	1,068
1922	12,521.50	507,524	924	47	1.10	2.4		6,386.36	270,767	170	132	3.13	2.3		24,467.72	53	1,265	19.34	1,165
1923	15,046.86	667,581	949	58	1.23	2.4		6,862.82	282,006	165	142	3.46	2.4		24,542.12	51	1,286	19.08	1,165
1924	17,799.75	708,811	981	61	1.54	2.5		7,793.49	280,447	166	141	3.92	2.8		23,853.66	48	1,181	20.20	1,195
1925	17,047.86	856,399	1,015	71	1.42	2.0		8,012.12	289,202	177	140	3.89	2.8		20,699.76	48	1,195	17.32	1,240

Dunnville—																			
1918	3,200.84	26,019	143	....	....	....	Flat	3,576.93	47,778	108	....	....	....	Flat	641.00	7	49	.....	258
1919	2,540.80	62,366	171	30	1.24	4.1		5,352.52	128,280	134	80	3.33	4.2		4,649.29	15	182	25.55	320
1920	3,227.66	69,303	205	28	1.31	4.6		6,115.30	158,031	141	93	3.61	3.9		5,832.55	16	228	25.58	362
1921	3,982.33	88,049	242	30	1.37	4.5		6,971.57	192,158	142	113	4.09	3.6		5,881.01	17	233	25.24	401
1922	5,213.57	106,758	290	33	1.63	4.8		8,419.06	204,164	157	113	4.67	4.1		7,359.76	18	255	28.86	465
192.	5,884.65	127,856	347	30	1.41	4.6		7,952.73	224,045	162	115	4.09	3.5		10,252.41	23	331	30.97	532
1924	5,856.39	164,060	386	37	1.33	3.6		7,700.15	224,391	170	113	3.86	3.4		10,573.81	19	439	24.07	575
1925	5,816.53	172,984	421	36	1.20	3.3		8,416.77	249,391	179	119	4.03	3.4		11,291.21	21	436	25.90	621
Elmira—																			
1914	1,908.41	20,875	158	....	....	9.5	11.4	2,020.81	28,490	65	....	....	7.1	11.4	1,876.49	8	.....	.....	231
1915	2,059.11	27,576	185	13	1.00	7.5	+10*	1,674.44	28,368	85	32	1.85	5.9	+10*	2,801.33	10	.....	.....	280
1916	2,211.16	30,817	223	12	88	7.2		1,665.69	35,515	92	33	1.56	4.7		3,635.22	12	.....	.....	338
1917	2,383.62	38,918	238	14	84	6.1		1,854.61	47,159	91	43	1.70	3.9		3,613.47	13	162	22.31	342
1918	2,701.28	51,735	243	17	93	5.2		1,988.36	54,317	89	50	1.84	3.6		4,277.44	14	169	25.31	346
1919	3,206.49	68,574	269	21	98	4.7		2,207.99	68,820	79	73	2.33	3.2		4,621.96	13	196	23.58	361
1920	4,582.08	123,941	313	33	1.22	3.7		2,821.51	82,169	94	73	2.50	3.4		6,117.79	15	235	26.03	422
1921	5,990.36	191,037	348	46	1.43	3.1		3,082.01	95,700	98	81	2.62	3.2		8,020.20	22	416	19.28	468
1922	7,142.86	270,347	383	61	1.63	2.6		4,014.00	103,874	98	88	3.41	3.8		11,132.93	21	453	24.58	502
1923	8,686.57	363,357	407	74	1.78	2.3		4,414.87	124,086	108	95	3.40	3.5		12,359.39	22	483	25.58	537
1924	8,369.49	457,211	438	90	1.65	1.8		3,953.15	135,558	112	102	3.34	3.3		13,769.36	26	485	28.39	576
1925	8,785.27	550,046	457	102	1.63	1.6		4,260.03	152,625	109	115	3.21	2.8		13,282.55	21	511	26.01	587
Ford City—																			
1922	6,501.74	.....	912	....	....	....		1,745.29	.....	112	....	....	....		8,328.14	23	.....	.....	.....
1923	23,500.72	1,024,161	1,155	73	1.69	2.2		8,059.08	302,516	150	168	4.47	2.6		31,668.46	30	1,195	26.50	1,335
1924	35,396.27	1,738,509	1,670	102	2.09	2.0		10,570.87	436,544	170	227	5.50	2.4		35,605.01	26	1,252	28.44	1,866
1925	47,527.37	2,508,976	1,944	116	2.19	1.9		13,225.31	469,826	184	221	6.23	2.8		40,404.54	24	1,275	31.68	2,152
Goderich—																			
1914	7,197.00	83,805	400	....	....	8.6	9	4,196.49	79,874	155	....	....	5.3	9	1,240.73	10	.....	.....	565
1915	6,072.51	92,406	441	18	1.20	6.6		5,066.76	121,599	168	62	2.60	4.1		5,645.26	8	.....	.....	617
1916	7,086.32	108,654	511	19	1.24	6.5		5,253.15	98,221	159	50	2.68	5.4		5,498.56	19	.....	.....	679
1917	8,161.85	132,899	539	21	1.29	6.1		5,127.44	99,868	150	54	2.75	5.1		7,079.23	10	252	28.09	699
1918	7,980.21	133,723	566	20	1.20	5.9		4,663.62	86,241	147	48	2.61	5.4		12,485.34	16	428	29.17	729
1919	8,216.24	215,512	690	26	98	3.8		5,317.77	118,955	163	61	2.39	3.9		18,894.59	13	516	36.62	866
1920	10,687.31	203,717	793	21	1.12	5.2		6,367.10	152,382	179	71	2.96	4.2		16,550.96	17	403	41.07	989
1921	12,258.50	258,684	816	26	1.25	4.7		6,097.39	167,942	182	77	2.80	3.6		15,859.39	17	452	35.09	1,015
1922	13,932.54	240,383	916	23	1.34	5.8		6,775.78	175,075	187	79	3.05	3.8		15,156.13	14	393	38.57	1,117
1923	16,341.86	407,166	1,008	33	1.35	4.0		8,663.03	214,344	207	86	3.48	4.0		18,246.94	19	503	36.47	1,234
1924	16,425.61	489,825	1,181	37	1.25	3.4		8,030.31	229,420	225	89	3.10	3.5		23,049.22	22	780	29.55	1,428
1925	15,533.42	576,213	1,000	44	1.19	2.7		9,913.00	293,200	192	117	3.96	3.4		25,582.74	18	805	31.76	1,210

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group II—TOWNS

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Hanover—																			
1918	3,981.55	29,694	335	.....	.....	.....	12.5	3,403.10	47,384	92	.....	.....	.....	12.5	8,034.96	9	169	.....	436
1919	4,708.40	83,594	337	21	1.16	5.6		3,023.83	56,924	97	49	2.60	5.3		14,737.24	10	413	35.68	444
1920	6,599.51	123,161	435	24	1.26	5.3		3,852.40	76,626	92	53	3.49	6.5		16,954.80	14	604	28.07	541
1921	8,978.84	191,292	467	34	1.60	4.7		4,807.51	83,610	110	63	3.64	5.7		39,475.98	14	1,162	33.97	591
1922	10,616.67	237,998	523	40	1.79	4.5		5,168.56	99,024	108	76	3.95	5.2		45,903.15	16	1,505	30.50	647
1923	11,073.20	320,410	564	49	1.70	3.5		5,016.69	127,184	104	100	4.01	4.0		47,046.40	17	1,477	31.85	685
1924	10,527.70	384,635	608	55	1.49	2.7		4,960.87	141,660	106	112	3.94	3.5		35,818.53	16	1,176	30.46	730
1925	11,812.43	411,785	630	55	1.59	2.9		6,105.54	128,344	109	100	4.73	4.7		31,550.61	18	1,198	26.34	757
Hespeler—																			
1913	2,189.00	.....	174	.....	.....	.....	10	1,684.75	.....	76	.....	.....	.....	10	5,044.30	11	.....	.....	261
1914	2,635.41	34,848	229	14	1.09	7.6	+15*	1,934.75	35,979	85	37	2.00	5.4	+15*	6,116.27	13	.....	.....	327
1915	2,787.48	39,580	272	11	90	7.0		2,334.15	39,657	90	38	2.22	5.9		9,017.58	14	.....	.....	376
1916	3,011.73	54,239	277	17	92	5.5		2,012.28	44,900	84	43	1.93	4.5		11,177.71	12	.....	.....	273
1917	3,679.79	66,932	314	19	1.04	5.5		2,389.80	53,306	86	52	2.18	4.5		10,166.33	11	394	25.80	409
1918	3,835.53	77,373	336	19	98	4.9		2,024.34	49,635	83	48	1.19	4.0		9,186.68	13	357	25.73	432
1919	4,286.70	92,959	374	21	96	4.6		2,194.16	68,184	84	68	2.18	3.2		6,554.78	11	299	21.92	469
1920	5,626.85	137,540	442	26	1.06	4.1		2,414.32	69,459	89	65	2.26	3.5		8,162.54	13	410	19.90	544
1921	6,648.35	178,741	480	31	1.15	3.7		2,803.97	87,965	95	74	2.40	3.2		7,239.45	17	387	18.71	592
1922	8,011.51	235,605	545	38	1.30	3.4		3,324.81	102,091	103	94	2.79	3.2		10,230.23	19	498	20.54	667
1923	9,891.17	331,625	587	47	1.26	2.2		3,506.05	111,833	102	91	2.86	3.1		13,876.75	18	548	25.28	707
1924	9,866.44	410,632	611	57	1.37	2.4		3,650.37	132,883	107	105	2.90	2.8		17,685.25	18	636	27.81	736
1925	10,144.76	485,307	628	64	1.34	2.1		3,903.59	135,684	104	107	3.08	2.9		18,847.37	20	665	28.34	720
Huntsville—																			
1917	3,597.74	.....	270	.....	.....	.....	10	1,265.03	.....	82	.....	.....	.....	10	13,569.75	3	.....	.....	355
1918	3,614.59	41,768	272	12	1.11	8.6		1,802.91	31,142	83	31	1.82	5.7		13,881.58	3	.....	.....	358
1919	4,899.77	97,860	276	30	1.50	5.0		1,862.04	52,361	66	66	2.35	3.5		14,605.94	7	.....	.....	349

1920	6,953.49	141,862	335	35	1.73	4.9		3,233.63	57,880	93	52	2.89	5.6		15,311.98	6	832	18.40	434
1921	8,380.90	140,012	339	35	2.07	5.9		4,325.78	63,948	96	56	3.80	6.8		14,445.74	7	883	16.36	442
1922	8,645.00	151,560	384	33	1.88	5.7		4,920.30	73,504	98	63	4.18	6.7		14,359.07	6	883	16.26	488
1923	9,446.17	226,310	425	47	1.95	4.2		5,446.44	74,926	98	63	4.63	7.2		14,838.91	8	888	16.71	531
1924	8,783.84	205,239	440	40	1.69	4.2		4,903.33	81,648	100	69	4.13	6.0		14,862.01	8	912	16.28	548
1925	10,372.67	210,913	494	38	1.85	4.8		5,353.07	86,662	100	72	4.46	6.2		16,536.60	9	909	18.19	603
Ingersoll—																			
1912	3,073.73	.....	220	....	.....	....	8	6,648.28	.....	142	....	.....	....	8	14,430.66	38	.....	.....	440
1913	3,595.03	43,406	278	14	1.20	8.3	+25*	6,048.51	81,724	170	44	3.23	7.4	+25*	15,293.44	44	.....	.....	492
1914	5,085.32	68,342	416	12	1.22	7.5		6,359.72	106,689	194	46	2.32	5.9		12,818.27	48	.....	.....	658
1915	5,480.52	102,537	497	19	1.00	5.3		5,716.91	139,428	197	60	2.46	4.1		16,251.18	52	.....	.....	746
1916	6,857.94	127,449	590	20	1.05	5.4		6,540.51	176,757	206	73	2.70	3.7		20,380.90	51	.....	.....	847
1917	7,465.96	152,188	679	20	98	4.9		6,617.53	194,927	196	81	2.74	3.3		21,747.80	53	967	22.49	928
1918	7,622.97	160,226	716	19	91	4.7		5,560.92	164,341	187	71	2.42	3.3		21,413.08	45	994	21.54	948
1919	9,214.11	201,357	809	21	95	4.6		6,229.81	196,142	200	82	2.60	3.2		22,036.72	50	1,123	19.62	1,059
1920	11,307.12	319,520	936	28	1.01	3.5		6,419.44	267,649	220	101	2.43	2.4		23,666.00	55	1,289	18.35	1,211
1921	12,913.37	499,331	1,016	41	1.06	2.6		7,368.55	320,687	225	119	2.71	2.3		20,636.08	54	1,254	16.46	1,295
1922	16,254.07	732,590	1,090	58	1.28	2.2		8,918.23	390,485	232	142	3.25	2.3		21,449.98	52	1,197	17.92	1,374
1923	19,687.29	1,060,450	1,159	76	1.42	1.8		9,892.68	478,115	231	172	3.57	2.1		25,377.73	52	1,253	20.25	1,442
1924	23,120.72	1,251,240	1,261	86	1.59	1.8		10,499.86	477,840	348	166	3.65	2.2		26,585.38	50	1,201	21.47	1,559
1925	24,311.05	1,453,912	1,243	98	1.64	1.7		10,697.28	574,100	245	195	3.64	1.8		24,948.36	50	1,133	22.02	1,538
Kincardine—																			
1922	6,461.15	103,210	344	25	1.56	6.2		4,057.97	44,142	113	32	2.99	9.2		2,950.97	12	127	23.24	469
1923	8,953.34	206,333	378	45	1.97	4.3		4,829.19	37,720	103	30	3.90	12.8		6,007.67	17	187	32.12	498
1924	9,470.40	177,013	399	38	2.03	5.3		4,988.33	62,131	103	50	4.04	8.1		6,911.53	13	239	28.91	515
1925	9,701.70	178,003	432	36	1.94	5.4		6,146.88	41,423	116	32	4.68	14.6		7,006.69	16	250	28.03	564
Kingsville—																			
†1924	14,471.65	.....	539	....	.....	....		10,878.69	.....	150	....	.....	....		6,031.06	11	.....	.....	700
1925	11,991.33	228,543	551	35	1.83	5.2		7,807.01	196,618	155	107	1.53	3.9		4,477.83	14	164	27.34	720
Leamington—																			
†1924	24,190.62	.....	915	....	.....	....		17,782.24	.....	182	....	.....	....		7,666.61	22	.....	.....	1,119
1925	17,849.69	287,649	1,045	24	1.52	6.3		13,207.03	208,424	192	93	5.88	6.3		6,935.52	23	183	37.80	1,260

*Meter rental. †Fourteen months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group II—TOWNS

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Listowel—																			
1917	2,500.80	54,842	243	19	86	4.6	10	3,168.19	51,233	125	34	2.11	6.2	10	3,385.58	12	112	30.23	380
1918	3,820.77	65,119	256	21	1.27	5.8		2,820.74	58,248	128	38	1.85	4.8		7,180.07	13	233	30.81	397
1919	4,311.53	89,975	332	23	1.08	4.8		2,971.08	71,343	135	44	1.91	4.2		10,922.17	18	281	38.86	485
1920	5,657.29	137,168	377	30	1.25	4.1		3,884.08	102,600	132	65	2.62	4.0		13,143.78	20	363	36.21	529
1921	8,190.77	214,353	458	39	1.49	3.8		4,700.32	141,059	142	83	2.76	3.3		12,982.05	18	382	33.98	618
1922	9,584.04	250,128	495	44	1.67	3.8		5,702.40	138,475	141	82	3.35	4.1		11,307.49	19	357	31.67	655
1923	10,337.16	308,432	540	47	1.74	3.3		5,658.00	143,711	143	83	3.29	3.9		11,003.39	23	366	30.06	706
1924	9,201.01	379,065	570	57	1.38	2.4		4,719.75	159,775	140	94	2.78	3.0		10,649.15	20	369	28.86	730
1925	9,174.81	468,001	595	67	1.31	2.0		5,003.83	199,415	146	116	2.91	2.5		10,183.71	20	332	30.67	761
Meaford—																			
‡1924	13,042.58	.....	493	....	.....	....		9,229.46	.....	121	....	.....	....		3,750.41	11	.....	.....	625
1925	10,545.73	175,753	516	29	1.74	6.0		7,326.77	103,291	122	71	5.02	7.1		4,929.63	12	171	28.88	650
Merritton—																			
1921	6,010.43	185,000	603	24	83	3.2	Flat	1,238.58	65,121	58	94	1.78	1.9	Flat	3,203.78	5	156	20.54	666
1922	6,163.42	241,041	623	33	84	2.5		1,519.78	66,864	58	96	2.18	2.3		2,977.95	5	143	20.82	686
1923	7,141.86	465,670	580	67	1.02	1.5		1,885.15	119,120	55	195	2.85	1.5		4,668.90	4	251	18.60	639
1924	7,907.99	444,615	590	63	1.13	1.8		1,667.74	56,494	55	86	2.53	2.9		9,594.88	4	427	22.47	649
1925	9,094.40	464,416	594	65	1.28	2.0		2,364.56	93,459	55	141	3.58	2.5		9,375.00	4	439	21.36	653
Midland—																			
1912	5,878.05	.....	420	....	.....	....	9	5,878.05	.....	165	....	.....	....	9	3,188.03	18	.....	.....	603
1913	6,095.11	88,228	491	16	1.11	6.9		6,104.16	118,267	172	58	3.01	5.1		5,700.22	25	.....	.....	688
1914	6,941.07	127,397	621	19	1.06	5.5		5,084.06	117,741	176	56	2.44	4.3		6,484.43	32	.....	.....	829
1915	6,580.45	199,257	689	25	84	3.3		4,462.54	97,300	188	45	2.05	4.6		10,299.52	39	.....	.....	916
1916	7,145.74	180,735	732	21	83	4.0		4,624.85	186,953	184	84	2.07	2.5		12,262.89	31	.....	.....	947
1917	9,179.72	289,874	822	31	98	3.2		5,651.06	257,868	186	116	2.55	2.2		15,300.91	35	714	21.43	1,043

1918	10,341.29	366,760	937	34	98	2.8		6,149.35	264,733	195	115	2.69	2.3		24,529.03	38	1,160	21.14	1,170
1919	11,542.33	403,890	1,050	32	92	2.8		5,303.02	254,832	237	90	1.86	2.1		22,070.30	34	790	27.93	1,321
1920	16,362.07	584,357	1,091	45	1.25	2.8		7,435.12	275,534	191	120	3.24	1.7		18,060.43	40	1,245	14.51	1,322
1921	20,140.29	808,893	1,171	58	1.43	2.5		8,618.18	360,993	202	149	3.55	2.4		22,464.55	51	1,265	17.76	1,424
1922	22,913.75	837,623	1,163	60	1.64	2.7		9,754.04	475,708	215	191	3.91	2.1		31,240.54	55	1,621	19.27	1,433
1923	22,525.81	976,653	1,336	60	1.40	2.3		9,848.44	374,229	205	152	4.00	2.6		36,590.63	50	1,905	19.20	1,538
1924	21,188.50	1,166,166	1,385	71	1.30	1.8		8,687.61	520,195	211	208	3.44	1.7		68,222.92	55	3,238	21.07	1,651
1925	26,056.15	1,400,221	1,480	80	1.47	1.8		11,207.68	557,246	224	207	4.17	2.0		101,046.28	55	4,147	24.36	1,759
Mimico—																			
1913	2,021.06	.....	250	....	....	....	8	†	.....	†	....	....	....	8	795.49	5	.....	.....	255
1914	5,085.16	91,184	462	....	....	5.4	+25*	†	3,462	10	....	....	5.4	+25*	963.64	5	.....	.....	477
1915	5,748.44	105,884	609	17	90	5.4		346.49	6,551	17	40	2.14	5.3		1,042.11	3	.....	.....	619
1916	7,011.08	137,318	621	18	95	5.1		506.44	10,982	31	38	1.76	4.6		1,449.14	8	.....	.....	660
1917	7,400.73	177,916	704	21	93	4.2		883.24	19,361	39	46	2.10	4.6		2,750.59	11	133	20.68	754
1918	7,209.82	202,311	615	25	91	3.5		942.82	24,173	32	56	2.21	3.9		4,357.12	9	195	22.34	656
1919	8,759.21	281,185	703	33	1.04	3.1		1,061.76	29,770	34	73	2.60	3.6		4,189.20	9	192	21.82	746
1920	12,325.03	508,282	841	50	1.22	2.4		1,305.90	43,750	45	81	2.33	2.9		3,896.30	8	189	20.62	894
1921	13,068.97	653,445	927	59	1.17	2.0		2,008.37	75,460	66	95	2.54	2.7		3,823.58	9	209	18.29	1,002
1922	16,083.14	977,153	1,036	89	1.36	1.6		2,452.03	112,580	85	125	2.72	2.2		5,259.27	9	262	20.07	1,130
1923	23,008.62	1,467,605	1,194	103	1.60	1.5		3,837.91	171,744	98	146	3.26	2.2		6,711.56	11	292	22.90	1,303
1924	28,280.20	1,739,172	1,308	116	1.88	1.6		5,442.68	219,159	112	174	4.32	2.5		9,207.64	13	357	25.79	1,433
1925	30,071.86	2,057,193	1,369	128	1.87	1.5		6,446.78	254,775	114	188	4.75	2.5		10,649.62	15	378	28.17	1,498
New Toronto—																			
1914	653.50	11,947	100	....	....	7.0	8	.....	.....	4	....	....	7.0	8	.....	1	.....	.....	105
1915	1,416.10	19,520	153	....	....	5.5	+25*	.....	.....	8	....	....	5.5	+25*	2,140.36	2	.....	.....	163
1916	1,571.03	29,162	210	....	....	5.4		143.32	5,956	10	....	....	5.4		9,744.31	4	.....	.....	224
1917	2,451.49	46,080	320	14	77	5.3		566.42	7,680	22	40	2.95	7.4		30,726.27	8	1,554	19.77	350
1918	2,631.82	50,723	400	11	60	5.1		1,113.87	18,968	22	71	4.22	5.8		64,854.19	10	2,689	24.11	432
1919	4,009.94	94,392	473	18	77	4.3		3,143.60	78,720	41	205	8.19	4.0		79,353.15	14	3,250	24.41	528
1920	6,602.26	183,717	537	28	1.02	3.6		2,979.37	99,372	57	169	5.07	3.0		97,272.13	12	4,362	22.30	606
1921	6,731.42	314,718	631	42	89	2.1		3,798.61	199,688	73	256	4.87	1.9		66,294.41	14	3,399	19.50	718
1922	9,039.13	346,958	761	42	1.08	2.6		4,089.35	203,510	87	212	4.26	2.0		43,232.18	15	2,399	18.02	863
1923	13,350.62	620,622	829	63	1.34	2.1		6,176.34	280,063	99	226	5.19	2.2		66,486.92	18	2,795	23.78	946
1924	15,544.79	689,910	886	67	1.51	2.2		6,349.73	279,481	103	231	5.24	2.3		75,541.91	16	2,810	26.88	1,005
1925	16,565.24	853,584	978	76	1.48	1.9		6,405.95	277,551	106	221	5.11	2.3		93,619.03	19	3,273	28.59	1,103

*Meter rental. †Domestic and commercial light not separated.

‡Sixteen months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group II—TOWNS

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Orangeville—																			
1917	1,641.42	22,895	144	13	95	7.2	10	1,903.38	32,805	82	33	1.93	5.8	10	2,902.60	4	133	22.58	230
1918	1,891.77	30,456	155	17	1.05	6.2		2,081.03	44,300	90	42	2.01	4.6		3,197.89	5	97	32.96	250
1919	2,390.39	39,464	179	19	1.11	6.0		2,352.35	62,441	97	54	2.02	3.8		3,797.70	7	141	26.93	283
1920	2,891.19	49,625	199	21	1.21	5.8		2,852.54	47,302	94	42	2.53	6.0		4,127.67	10	208	19.84	303
1921	3,660.49	63,990	221	24	1.38	5.7		3,707.47	76,793	95	67	3.25	4.8		4,211.74	10	160	26.32	326
1922	4,207.55	75,131	265	26	1.44	5.6		4,231.79	78,433	101	67	3.60	5.4		5,213.52	12	230	22.67	378
1923	5,162.41	101,046	294	29	1.46	5.1		5,015.83	98,303	118	69	3.54	5.1		5,956.94	18	252	23.64	430
1924	5,462.28	110,469	339	29	1.44	5.0		4,456.28	101,759	123	71	3.09	4.4		6,442.37	20	276	23.30	482
1925	6,320.01	169,247	393	38	1.44	3.8		5,577.54	147,675	127	98	3.72	3.8		7,107.52	20	313	22.70	540
Paris—																			
1914	4,766.23	65,037	354	.....	.....	.....	7	2,778.09	65,108	142	.....	.....	4.3	8	1,419.90	1	.....	.....	497
1915	5,071.54	87,239	477	17	1.01	5.8	+10*	4,063.03	100,259	150	57	2.32	4.1	+20*	6,328.23	4	.....	.....	631
1916	5,877.57	127,382	552	21	96	4.6		3,805.95	96,750	150	53	2.11	3.9		8,974.66	4	.....	.....	706
1917	6,620.91	155,986	581	23	98	4.2		4,303.71	105,150	161	56	2.31	4.0		8,828.42	5	416	21.22	747
1918	7,839.11	155,406	625	21	1.08	5.0		4,339.77	86,904	162	44	2.23	4.9		12,951.24	8	556	23.29	795
1919	7,447.39	237,276	663	30	94	3.1		4,436.78	90,539	168	45	2.20	4.9		14,226.43	12	579	24.57	843
1920	7,696.27	237,103	757	26	85	3.2		4,411.23	84,538	182	41	2.02	5.0		16,414.88	13	805	20.39	952
1921	9,368.93	366,497	875	35	90	2.5		4,532.48	173,264	188	77	2.01	2.6		16,844.82	18	930	18.11	1,081
1922	11,791.12	518,536	884	49	1.12	2.3		4,670.02	184,961	170	100	2.24	2.2		15,743.55	17	739	21.30	1,071
1923	14,594.85	781,218	927	70	1.31	1.8		5,202.93	231,434	173	111	2.50	2.2		15,858.96	16	710	22.47	1,116
1924	16,280.06	917,315	961	81	1.44	1.8		5,994.11	248,086	179	117	2.84	2.4		15,705.45	21	726	21.63	1,161
1925	17,526.95	1,057,929	996	90	1.49	1.7		6,380.94	252,777	183	116	2.94	2.5		17,640.67	22	845	20.88	1,201
Penetang—																			
1912	1,676.26	.....	101	.....	.....	.....	9	3,836.30	.....	87	.....	.....	.....	9	2,207.51	13	.....	.....	208
1913	1,989.80	27,199	128	19	1.44	7.3		4,511.16	58,111	91	55	4.23	7.7		8,775.95	15	.....	.....	234
1914	1,936.73	35,163	153	21	1.15	5.5		3,064.83	66,489	100	58	2.68	4.6		8,001.69	15	.....	.....	268

1915	2,050.69	42,483	174	22	1.04	4.8		2,676.60	78,657	102	65	2.21	3.4		10,048.08	15	.....	....	291
1916	2,317.37	49,242	189	23	1.06	4.7		2,706.74	83,448	95	71	2.30	3.2		11,650.03	16	.....	....	290
1917	2,486.82	62,546	199	27	1.07	4.6		2,677.81	80,783	93	72	2.38	3.3		10,234.73	14	476	21.50	306
1918	2,855.29	76,516	215	30	1.15	3.7		2,363.45	71,085	95	63	2.09	3.3		9,701.55	14	350	27.71	324
1919	3,074.74	83,950	263	27	97	3.6		2,874.63	94,491	107	74	2.24	3.0		15,438.43	19	681	22.67	389
1920	4,971.07	116,449	328	28	1.26	4.5		3,340.35	119,686	91	110	3.06	2.8		22,164.67	25	934	23.73	444
1921	6,714.63	143,891	375	32	1.50	4.7		3,998.95	96,932	89	91	3.56	3.9		19,645.20	28	581	33.81	492
1922	7,403.45	189,289	406	40	1.58	3.9		3,772.70	86,351	94	79	3.46	4.4		19,829.56	30	782	25.36	530
1923	7,858.45	199,709	438	38	1.50	3.9		4,003.70	98,826	99	83	3.37	4.1		15,177.84	33	706	21.50	570
1924	6,457.69	219,484	466	40	1.19	3.0		2,997.54	106,703	99	90	2.52	2.8		11,220.44	26	442	25.36	591
1925	5,951.17	249,410	484	44	1.04	2.4		2,839.52	120,652	100	101	2.38	2.3		11,709.16	33	450	26.04	617
Perth—																				
1919	8,477.47	137,658	479	24	1.47	6.2	8	6,748.11	143,305	157	76	3.58	4.7	8	8,550.93	15	250	34.20	651
1920	10,216.95	218,792	564	32	1.51	4.7		7,025.19	122,988	166	62	3.53	5.7		15,648.27	19	494	31.68	749
1921	12,485.61	256,470	610	35	1.71	4.9		8,879.44	142,086	174	68	4.25	6.2		18,021.42	19	515	34.99	803
1922	13,682.49	262,021	645	35	1.82	5.2		9,091.75	151,580	180	71	4.28	6.0		16,755.30	19	463	36.19	844
1923	14,352.84	312,102	681	38	1.76	4.6		9,493.91	165,466	183	75	4.32	5.7		14,264.45	19	465	30.68	883
1924	12,889.76	364,707	714	44	1.54	3.5		7,756.53	206,118	183	94	3.53	3.8		14,175.91	19	441	32.12	916
1925	12,684.68	432,211	733	50	1.46	2.9		8,949.96	202,022	185	92	4.05	4.4		15,318.50	22	477	32.09	940
Petrolia—																				
1917	3,346.54	54,138	292	15	95	6.1	14	3,837.48	61,972	150	34	2.13	6.2	14	6,666.29	34	216	30.86	476
1918	4,096.58	64,342	315	17	1.12	6.3	+20*	4,138.05	64,510	158	34	2.23	6.4	+20*	11,491.46	40	345	33.30	513
1919	5,024.22	88,243	367	20	1.14	5.7		4,761.37	81,003	163	41	2.43	5.9		16,712.15	53	497	33.62	583
1920	6,034.68	112,806	427	22	1.18	5.3		5,447.61	94,755	176	45	2.58	5.7		19,193.71	59	581	33.04	662
1921	7,786.04	151,611	503	25	1.29	5.1		6,246.63	105,872	187	47	2.78	5.9		21,483.70	61	664	32.31	751
1922	7,797.98	164,276	531	26	1.26	4.8		6,108.86	121,397	192	54	2.69	5.0		19,958.48	68	684	29.18	791
1923	7,555.96	210,263	552	31	1.14	3.5		5,170.26	131,003	187	58	2.34	3.9		23,303.44	67	884	26.36	806
1924	7,856.97	275,557	581	40	1.15	2.9		5,374.97	159,476	189	71	2.37	3.3		29,546.52	66	887	33.34	836
1925	9,365.75	361,019	607	49	1.28	2.5		6,424.24	175,717	191	77	2.80	3.6		29,710.33	64	891	33.31	862
Picton—																				
1919	.....	.....	604	.....	.....	.....	12.5	.....	.....	75	.....	.....	.....	12.5	1,239.91	26	52	23.84	705
1920	9,915.08	123,499	657	16	1.26	8.0		9,480.61	121,838	122	46	3.56	7.8		9,477.94	32	303	31.28	811
1921	11,840.43	142,582	698	17	1.41	8.3		9,641.61	112,546	156	60	5.15	8.6		12,162.97	31	343	35.46	885
1922	11,294.43	177,900	745	21	1.30	6.3		8,540.27	141,822	187	69	4.16	6.0		10,333.64	36	322	32.09	968
1923	11,817.03	261,212	777	28	1.27	4.5		7,001.42	147,820	168	73	3.47	4.7		7,680.07	43	392	19.59	988
1924	11,285.18	335,420	816	35	1.18	3.4		5,667.16	162,560	187	76	2.65	3.5		9,149.20	41	397	23.05	1,044
1925	12,439.04	442,319	845	44	1.25	2.8		5,919.57	179,534	183	81	2.67	3.3		9,148.84	45	418	21.86	1,073

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group II—TOWNS

Municipality	Year	Domestic service							Commercial light service							Power service				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Port Colborne—																				
	1920	4,301.69	101,020	465	25	1.00	4.2	10	3,082.14	89,448	132	80	2.25	3.5	4	2,718.09	13	140	19.45	610
	1921	8,220.47	164,365	579	24	1.18	5.0		5,125.80	140,397	151	79	2.83	3.6		4,381.18	17	181	24.20	747
	1922	9,496.22	246,059	608	34	1.33	3.9		4,990.40	159,052	155	87	2.72	3.1		7,602.88	13	275	27.65	776
	1923	11,719.01	422,793	695	51	1.41	2.8		5,524.34	236,224	175	112	2.63	2.3		4,199.73	14	185	22.70	884
	1924	13,171.21	613,735	852	66	1.42	2.2		6,053.01	245,085	186	113	2.79	2.5		6,205.19	17	228	27.21	1,055
	1925	17,488.49	997,021	1,011	82	1.44	1.7		7,560.29	382,231	191	167	3.30	1.9		8,449.69	17	328	25.76	1,219
Prescott—																				
	1914	4,868.75	.....	342	....	.....	....	9	3,600.00	.....	122	....	.....	....	9	1,099.27	10	.....	.....	474
	1915	4,058.14	67,130	369	16	95	6.0		3,033.62	62,647	145	39	1.89	4.8		3,431.45	11	.....	.....	525
	1916	4,186.96	63,304	380	15	93	6.6		3,611.95	71,794	133	43	2.16	5.0		4,141.90	22	.....	.....	525
	1917	4,865.40	79,202	381	17	1.06	6.1		3,999.55	88,386	134	55	2.49	4.5		5,010.65	14	232	21.60	529
	1918	4,783.96	79,573	414	16	1.00	6.0		3,663.18	87,224	134	54	2.27	4.2		5,595.29	14	257	21.77	562
	1919	5,354.77	96,876	524	19	1.05	5.5		3,556.77	69,093	126	46	2.35	5.1		4,946.97	18	243	20.36	568
	1920	5,952.58	113,550	456	21	1.09	5.2		4,043.40	81,938	136	50	2.48	4.9		5,206.91	21	257	20.26	613
	1921	7,851.66	122,369	466	22	1.40	6.4		4,730.49	89,896	133	56	2.96	5.3		5,721.94	18	270	22.19	617
	1922	8,954.07	152,011	470	27	1.59	5.9		5,196.38	103,430	136	64	3.23	5.0		6,481.29	21	336	19.28	627
	1923	8,617.09	176,463	473	31	1.51	4.9		4,947.78	111,852	147	63	2.80	4.4		6,360.59	20	254	25.08	640
	1924	6,819.17	219,600	502	37	1.16	3.1		4,048.82	134,030	144	77	2.33	3.0		6,239.03	22	268	23.26	668
	1925	7,192.50	320,071	544	51	1.15	2.3		4,332.06	171,558	141	100	2.53	2.5		7,494.03	23	310	24.17	708
Preston—																				
	1912	4,234.68	.....	341	....	.....	....	9	5,237.99	.....	131	....	.....	....	9	15,478.14	21	.....	.....	492
	1913	5,477.10	83,852	526	16	1.05	6.5	+20*	5,366.77	103,000	151	61	3.18	5.2	+20*	21,017.68	28	.....	.....	705
	1914	6,520.39	108,257	629	14	90	6.0		5,011.15	106,675	165	56	2.64	4.7		21,975.26	29	.....	.....	823
	1915	6,615.91	129,896	714	16	82	6.1		4,488.76	118,756	174	58	2.21	3.8		21,698.34	30	.....	.....	918

1916	7,341.15	186,361	785	21	82	3.9		4,779.76	155,325	182	72	2.24	3.1		22,624.37	34	.....	.....	1,001
1917	8,956.89	215,302	843	22	91	4.2		5,733.82	159,885	186	72	2.60	3.5		24,569.60	35	1,353	18.16	1,064
1918	9,090.16	254,288	871	24	88	3.5		4,981.29	158,257	190	70	2.20	3.1		23,016.09	37	1,235	18.63	1,098
1919	10,345.24	302,252	935	27	92	3.4		6,320.08	227,636	193	97	2.73	2.8		27,339.13	40	1,505	18.17	1,168
1920	11,667.41	411,997	1,010	34	96	2.8		7,902.05	287,866	193	124	3.41	2.7		29,895.21	41	1,902	15.72	1,244
1921	15,234.56	472,870	1,074	37	1.10	3.2		8,008.17	311,846	196	133	3.40	2.6		32,165.77	42	1,755	18.33	1,312
1922	19,038.45	803,177	1,164	60	1.42	2.4		9,203.81	365,412	203	153	3.85	2.5		38,677.75	53	2,116	18.28	1,420
1923	24,540.48	1,181,121	1,212	81	1.68	2.0		11,579.10	456,108	202	188	4.77	2.5		41,981.43	53	1,854	22.64	1,467
1924	28,958.51	1,434,929	1,295	95	1.92	2.0		14,326.44	603,530	205	246	5.85	2.4		47,734.22	47	1,780	26.82	1,547
1925	31,274.67	1,680,417	1,406	99	1.85	1.9		15,311.19	713,098	209	284	6.10	2.1		50,352.06	50	1,870	26.92	1,664
Riverside—																				
1922	3,298.22	.....	376	....	....	....		320.09	.....	14	....	....	....		312.30	2	.....	.....	392
1923	14,832.01	533,595	492	90	2.51	2.7		1,430.38	25,341	21	100	5.67	5.6		1,490.49	5	66	24.09	518
1924	21,863.35	712,191	679	101	3.11	3.1		2,097.49	43,624	27	151	7.28	4.8		2,964.82	5	96	30.88	711
1925	27,694.58	929,954	727	110	3.28	3.0		5,952.55	84,939	39	214	5.03	7.0		4,085.62	6	119	34.33	772
St. Marys																				
1912	4,967.16	.....	240	....	....	....	9	4,069.20	.....	143	....	....	....	9	6,001.30	20	.....	.....	402
1913	3,815.77	44,801	396	12	1.00	8.5	+15*	4,553.73	62,486	160	34	2.50	7.3	+15*	8,221.72	29	.....	.....	588
1914	4,614.95	67,375	454	13	90	6.7		4,733.33	75,257	161	39	2.46	6.3		10,610.00	30	.....	.....	645
1915	5,073.97	72,819	528	12	86	6.9		4,222.53	75,644	151	40	2.25	5.5		8,739.87	33	.....	.....	712
1916	5,020.33	127,274	563	19	77	3.9		3,161.26	79,768	161	42	1.69	4.0		9,266.74	28	.....	.....	752
1917	5,552.22	140,001	583	20	81	4.0		3,052.62	87,774	161	45	1.58	3.5		8,814.71	30	472	18.67	774
1918	6,341.15	173,316	606	24	88	3.6		2,973.06	86,665	180	42	1.45	3.4		8,510.57	34	426	19.97	820
1919	8,046.60	233,881	728	27	92	3.4		3,526.28	133,805	151	74	1.95	2.6		8,996.31	32	487	18.47	911
1920	9,598.64	306,916	759	34	1.05	3.1		4,593.72	154,624	151	85	2.53	3.0		15,497.27	40	671	23.10	950
1921	12,479.26	406,040	811	42	1.28	3.1		5,952.89	178,536	153	97	3.24	3.3		22,885.85	42	856	26.73	1,006
1922	15,043.43	517,681	839	52	1.51	2.9		6,097.33	173,918	198	83	2.90	3.5		21,805.60	41	844	25.83	1,078
1923	16,151.56	650,071	874	61	1.54	2.4		6,372.72	189,635	198	79	2.68	3.3		16,812.86	42	707	23.78	1,114
1924	16,448.62	747,687	904	70	1.54	2.2		6,403.59	196,960	200	82	2.68	3.3		16,834.65	44	711	23.68	1,148
1925	17,453.33	852,743	928	76	1.56	2.0		7,110.77	218,975	204	89	2.90	3.2		18,383.26	42	770	23.87	1,174
Sandwich—																				
†1924	39,260.85	.....	1,596	....	....	....		6,909.99	.....	106	....	....	....		5,254.85	17	.....	.....	1,719
1925	65,714.26	3,410,837	1,898	163	3.13	1.9		12,432.37	406,723	120	300	9.17	3.1		6,859.64	19	267	25.69	2,037

*Meter rental.
†Nine months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group II—TOWNS

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Simcoe—																			
1915	351.67	5,227	35	....	....	6.7	None	1,386.89	26,852	61	....	....	5.1	None	766.42	8	.....	.....	153
1916	1,857.61	13,328	57	....	....	6.5		2,292.28	46,254	84	53	2.63	5.0		1,386.33	12	.....	.....	198
1917	1,346.19	25,468	79	31	1.65	5.3		3,054.71	71,756	103	64	2.74	4.3		1,819.98	16	89	20.45	.....
1918	1,544.94	29,766	103	27	1.41	5.1		3,134.81	75,588	111	59	2.44	4.1		2,012.87	16	97	20.75	230
1919	2,237.23	40,838	134	25	1.40	5.5		4,431.49	96,254	126	62	2.93	4.7		2,766.80	80	134	20.65	278
1920	2,960.86	63,962	176	30	1.40	4.6		5,036.58	131,406	136	80	3.09	3.8		2,856.90	20	155	18.43	332
1921	3,446.47	95,067	222	36	1.28	3.6		4,967.07	170,629	154	92	2.69	2.9		4,130.39	21	232	17.80	397
1922	4,194.50	160,517	277	54	1.40	2.6		5,631.93	216,105	181	108	2.81	2.6		6,160.26	24	314	19.62	482
1923	4,973.09	205,303	339	50	1.22	2.4		6,398.76	282,749	195	120	2.73	2.3		8,435.28	24	335	25.17	558
1924	6,668.31	315,844	454	66	1.40	2.1		8,184.06	391,682	208	161	3.38	2.1		10,151.40	26	377	26.91	688
1925	7,990.58	399,404	570	65	1.30	2.0		10,785.28	519,953	213	206	4.27	2.1		13,271.75	27	463	28.67	810
Smiths Falls																			
1919	12,798.23	303,116	1,017	25	1.05	4.2	8	8,267.12	216,517	226	80	3.05	3.8	8	12,127.54	28	438	27.69	1,271
1920	19,399.20	.....	1,121	.....	.....	.....		11,655.03	.....	240	.....	.....	.....		22,392.75	31	668	33.50	1,394
1921	24,285.20	448,540	1,162	32	1.74	5.4		12,264.33	244,781	232	88	4.41	5.2		25,304.04	37	795	31.83	1,431
1922	24,402.79	513,494	1,294	35	1.66	4.7		14,260.12	228,143	245	78	4.99	6.2		25,074.49	36	787	31.86	1,575
1923	27,991.85	611,553	1,323	38	1.76	4.5		13,961.93	284,213	247	95	4.71	4.9		27,656.52	36	833	33.32	1,606
1924	28,677.50	665,440	1,393	41	1.76	4.3		14,495.01	284,211	247	96	4.89	5.1		23,393.41	40	742	31.54	1,680
1925	29,979.97	767,409	1,479	44	1.74	3.9		15,096.83	331,536	243	112	5.10	4.6		17,617.28	41	555	31.72	1,763
Strathroy—																			
1915	3,380.78	36,200	233	....	....	9.3	12	4,701.76	50,469	147	....	....	9.3	12	700.49	5	.....	....	385
1916	3,318.45	51,197	314	16	1.01	6.5	+25*	3,817.38	66,325	152	37	2.12	5.8	+25*	2,927.36	8	.....	.....	474
1917	4,355.25	71,509	375	17	1.05	6.1		3,554.88	62,505	153	34	1.94	5.7		4,138.79	11	175	23.65	539
1918	4,926.25	106,921	381	23	1.08	4.6		3,588.67	73,822	142	41	2.02	4.8		7,447.74	12	727	10.24	535
1919	5,589.48	112,946	417	23	1.12	4.9		4,228.41	89,732	147	51	2.40	4.7		7,064.29	13	258	27.38	577
1920	6,891.04	155,682	479	27	1.20	4.4		5,037.74	115,923	159	61	2.64	4.3		11,192.48	22	502	22.29	660

1921	7,927.50	205,236	537	32	1.23	3.9		5,436.85	122,041	165	62	2.75	4.4		11,655.19	23	442	26.37	725
1922	9,019.42	259,236	617	37	1.30	3.5		5,685.75	153,162	164	77	2.88	3.7		11,677.99	23	441	26.48	804
1923	10,366.64	338,245	650	44	1.33	3.0		5,985.14	172,329	173	83	2.88	3.4		12,460.15	24	469	26.56	847
1924	10,299.07	462,862	681	58	1.29	2.2		5,404.58	189,298	165	93	2.66	2.9		12,195.00	26	590	20.66	872
1925	10,833.36	570,093	701	68	1.28	1.9		6,341.22	218,220	162	112	3.27	2.9		12,453.27	26	607	20.51	889
Thorold—																			
1922	12,100.76	558,497	985	47	1.02	2.2		4,986.80	234,313	172	113	2.41	2.1		2,590.78	5	89	29.51	1,162
1923	13,781.50	720,435	1,026	58	1.11	1.9		5,453.59	344,467	178	161	2.55	1.6		3,476.54	9	144	24.14	1,213
1924	15,833.36	699,907	1,086	55	1.25	2.3		5,702.15	345,837	181	161	2.65	1.6		7,048.11	8	309	22.81	1,275
1925	17,346.13	985,602	1,121	71	1.31	1.8		6,216.46	314,774	177	147	2.89	1.9		6,394.25	7	306	20.89	1,305
Tillsonburg—																			
1912	3,233.92	.....	200	.....	.....	.....	11	3,350.91	.....	128	.....	.....	.....	11	3,283.75	6	.....	.....	334
1913	2,796.57	29,115	254	10	1.03	9.6	+25*	4,667.38	66,049	143	41	2.87	7.0	+25*	4,763.15	17	.....	.....	414
1914	3,367.74	45,937	300	14	1.02	7.3		4,579.37	70,265	160	38	2.52	6.5		6,303.09	16	.....	.....	476
1915	3,203.51	55,346	348	14	83	5.7		4,236.42	74,564	161	38	2.19	5.7		5,619.15	15	.....	.....	524
1916	4,009.67	72,975	375	18	1.02	5.5		4,493.41	95,326	188	46	2.14	4.7		5,692.05	17	.....	.....	580
1917	5,237.69	97,606	400	21	1.13	5.4		4,758.14	96,044	165	45	2.25	5.0		7,935.07	20	451	17.59	585
1918	4,534.89	77,751	407	16	93	5.8		5,377.01	104,830	166	53	2.70	5.1		16,717.31	22	532	31.42	595
1919	4,971.07	110,613	441	21	94	4.5		5,573.12	136,175	178	64	2.61	4.1		23,917.76	22	781	30.63	641
1920	6,417.45	159,319	480	28	1.16	4.0		6,077.79	151,422	178	71	2.84	4.0		18,378.45	19	753	24.41	677
1921	7,160.17	178,122	527	28	1.13	4.0		6,679.06	174,255	189	77	2.94	3.8		10,084.24	19	536	18.81	735
1922	7,980.94	213,716	566	32	1.22	3.7		7,177.19	163,421	196	71	4.11	4.4		9,916.25	22	514	19.29	784
1923	8,947.95	288,605	633	38	1.18	3.1		7,538.05	205,886	172	99	3.65	3.6		13,045.34	24	567	23.02	829
1924	9,768.69	410,471	667	52	1.25	2.4		7,375.54	235,472	197	106	3.65	3.1		13,519.41	25	577	23.43	889
1925	10,231.12	495,008	707	60	1.24	2.1		8,264.32	285,140	200	120	3.47	2.9		13,959.47	26	593	23.52	933
Walkerville—																			
1914	3,037.96	.....	790	.....	.....	.....	15—5	1,492.84	.....	175	.....	.....	.....	15—10	6,042.11	75	.....	.....	1,040
1915	13,036.98	241,771	1,159	31	1.12	5.4		7,836.93	157,198	195	70	3.49	4.4	—5	39,523.81	72	.....	.....	1,421
1916	18,813.06	391,629	1,513	27	1.34	4.8		12,104.72	309,727	216	126	4.61	3.9		77,003.07	75	.....	.....	1,804
1917	23,683.25	483,770	1,883	24	1.16	4.9		15,350.67	358,594	225	136	5.81	4.3		80,075.42	71	2,408	33.25	2,179
1918	27,570.83	532,075	1,970	23	1.16	5.2		16,116.67	372,896	230	127	5.90	4.3		101,125.84	67	2,727	37.08	2,267
1919	34,159.82	638,269	2,347	23	1.21	5.3		18,045.74	471,895	265	150	5.76	3.8		84,601.16	73	2,676	31.60	2,685
1920	40,884.48	1,432,929	2,904	45	1.29	2.9		22,432.85	618,709	336	171	6.23	3.6		109,892.78	78	3,963	27.80	3,318
1921	58,792.95	1,824,842	3,171	48	2.54	3.2		21,605.39	569,628	398	120	4.52	3.8		117,511.33	81	4,217	27.87	3,650
1922	60,340.85	2,266,468	1,486	81	2.16	2.6		19,991.66	583,237	241	152	5.21	3.4		135,181.47	77	4,534	29.81	1,804
1923	52,043.44	2,522,255	1,796	117	2.41	2.1		21,187.15	767,562	246	260	7.51	2.7		147,323.71	72	4,918	29.95	2,114
1924	64,338.96	3,601,641	1,885	163	2.91	1.8		22,903.80	977,363	253	326	7.63	2.3		114,908.43	77	4,038	28.45	2,215
1925	72,618.75	4,484,458	2,022	191	3.10	1.6		25,843.29	931,891	267	299	8.28	2.8		78,295.09	78	2,646	29.58	2,367

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group II—TOWNS

Municipality / Year	Domestic service							Commercial light service							Power service				
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	Total number of consumers
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Wallaceburg—																			
1915	4,079.74	56,482	368	....	....	7.2	11	4,239.30	63,747	161	....	....	6.6	10	87.32	2	.....	.....	531
1916	5,095.45	68,988	438	15	1.05	7.4		4,589.30	67,718	154	22	1.48	6.8		5,866.32	5	.....	.....	593
1917	6,077.20	84,311	493	15	1.09	7.2		4,259.72	92,718	157	49	2.29	4.6		13,218.75	16	415	31.85	662
1918	6,596.51	97,575	527	15	1.04	6.8		3,895.96	66,589	169	33	1.75	5.9		17,475.36	18	504	24.67	714
1919	8,825.29	134,986	603	19	1.22	6.5		5,366.66	190,152	174	91	2.57	2.8		25,597.73	28	732	34.97	805
1920	11,021.73	188,628	621	26	1.50	5.8		7,115.48	234,535	179	110	3.35	3.0		32,236.49	26	958	33.35	826
1921	11,703.39	235,752	715	28	1.36	5.0		7,363.40	164,547	193	71	3.18	4.5		26,193.45	36	910	28.78	942
1922	12,308.24	278,039	737	32	1.42	4.4		6,886.10	155,371	181	69	3.07	4.4		33,165.71	31	1,149	28.86	949
1923	12,875.61	351,084	812	46	1.33	2.9		6,599.17	170,844	174	82	3.16	3.9		37,826.89	29	1,276	29.64	1,915
1924	12,262.84	443,152	785	46	1.28	2.8		6,178.47	175,684	183	82	2.88	3.5		45,425.27	25	1,443	31.48	993
1925	12,411.54	492,526	842	48	1.23	2.5		6,418.83	213,610	179	99	3.00	3.0		42,765.13	26	1,451	29.47	1,047
Waterloo—																			
1912	4,057.46	.....	239	....	.....	....	12	4,524.93	.....	112	....	....	....	12	11,545.93	35	.....	.....	386
1913	4,263.66	69,576	321	21	1.27	6.1	+25*	5,098.42	87,718	125	62	3.58	5.8	+25*	14,970.14	44	.....	.....	490
1914	4,723.94	85,199	430	19	1.05	5.5		4,825.22	98,924	153	59	2.90	5.0		13,282.14	51	.....	.....	634
1915	5,401.82	106,570	524	19	94	5.1		5,284.87	107,821	162	57	2.80	4.9		15,125.32	53	.....	.....	739
1916	5,454.60	145,196	592	22	81	3.8		4,750.09	130,418	150	69	2.54	3.6		17,905.45	50	.....	.....	792
1917	6,562.98	195,770	694	25	85	3.4		5,097.38	144,543	155	55	2.79	3.5		18,773.17	59	1,017	18.46	908
1918	7,157.81	232,962	735	26	81	3.1		4,738.43	132,621	155	71	2.55	3.6		20,613.60	50	1,186	17.38	940
1919	8,771.46	305,803	830	31	88	2.9		5,347.03	176,953	161	92	2.78	3.0		23,399.07	66	1,274	18.37	1,057
1920	11,943.47	512,612	995	47	1.09	2.3		5,488.04	234,843	169	118	2.77	2.3		27,011.12	68	1,451	18.60	1,232
1921	14,931.02	653,123	1,091	50	1.14	2.3		7,125.48	298,664	172	145	3.45	2.4		26,882.41	68	1,455	18.47	1,331
1922	19,267.15	990,570	1,200	72	1.40	1.9		8,090.25	335,694	178	160	3.80	2.4		33,108.68	52	1,507	21.97	1,430
1923	24,528.74	1,693,394	1,275	110	1.60	1.4		9,101.69	412,138	185	190	4.09	2.2		41,540.47	72	1,737	23.91	1,532
1924	28,786.94	1,852,464	1,379	116	1.81	1.6		11,647.41	497,428	193	219	5.14	2.3		45,448.23	72	1,793	25.35	1,644
1925	34,796.34	2,213,747	1,466	130	2.04	1.6		13,112.89	554,600	197	237	5.60	2.4		44,061.12	65	1,744	25.25	1,728

Weston—																				
1912	3,979.81	.....	225	....	....	....	7.2+	750.00	.....	15	....	....	....	7.2+	1,674.28	4	.....	.....	344
1913	4,117.20	.....	360	....	....	....	22.5*	1,475.74	.....	35	....	....	....	22.5*	6,166.97	6	.....	.....	400
1914	3,741.84	79,766	352	17	80	4.7		1,599.97	26,774	78	40	2.38	6.0		4,958.59	10	.....	.....	440
1915	4,407.36	96,186	441	21	93	4.6		1,305.90	27,564	90	27	1.30	4.7		4,798.33	9	.....	.....	540
1916	5,447.65	135,272	475	25	1.00	4.0		1,407.31	31,898	88	30	1.13	3.8		5,202.84	11	.....	.....	574
1917	5,942.00	155,303	542	24	97	3.8		1,467.63	35,800	83	35	1.44	4.1		16,420.90	12	850	19.32	637
1918	6,288.15	201,658	541	31	97	3.1		1,403.92	45,480	94	43	1.32	3.1		19,578.73	11	882	22.19	646
1919	7,453.63	310,258	667	39	93	2.4		1,819.82	65,319	108	50	1.40	2.8		20,861.85	17	936	22.29	792
1920	9,047.65	363,877	745	42	1.06	2.2		2,125.38	66,279	104	52	1.67	3.2		25,110.01	13	927	27.00	862
1921	10,086.61	626,817	1,030	51	82	1.6		2,183.96	76,122	120	53	1.51	2.9		19,057.66	14	999	19.08	1,164
1922	14,808.44	724,340	1,150	55	1.13	2.0		2,484.85	95,766	130	64	1.66	2.6		27,737.15	16	1,276	21.72	1,296
1923	21,369.90	1,104,178	1,048	87	1.70	1.9		3,375.89	135,817	135	83	2.08	2.4		36,552.82	17	1,593	22.94	1,200
1924	19,971.05	1,255,554	1,174	89	1.42	1.6		3,566.53	163,575	157	93	2.04	2.2		40,352.62	20	1,616	24.97	1,351
1925	23,502.09	1,425,331	1,272	93	1.54	1.6		4,377.43	183,589	159	96	2.25	2.3		42,135.66	24	1,672	25.20	1,455
Whitby—																				
1925	10,855.24	491,240	690	59	1.31	2.2		5,407.23	137,557	125	92	3.61	3.9		15,703.41	12	605	25.94	827
Wingham—																				
1922	7,072.58	87,067	384	19	1.53	8.1		7,648.64	70,902	156	38	4.09	10.8		11,044.78	20	368	30.01	560
1923	8,068.34	132,612	410	26	1.63	6.0		7,663.32	107,274	156	57	4.09	7.1		11,951.79	23	413	28.93	589
1924	8,423.91	166,923	425	33	1.68	5.1		7,501.40	120,501	151	66	4.09	6.2		12,547.96	23	420	29.87	599
1925	9,200.80	195,949	452	37	1.75	4.7		8,114.34	128,050	153	70	4.45	6.3		12,635.69	24	389	32.48	630

*Meter rental.

NOTE.—The above group of 48 municipalities utilizes about 12 per cent of the power distributed by the Commission to Ontario municipalities.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy for Domestic Service, for Commercial Light Service and for Power Service in Hydro Municipalities for Each Year Since the Inauguration of Service up to the Year 1925. Showing Growth in Number of Consumers, in Revenue and in Consumption, and Reductions in Net Cost per Kilowatt-Hour

Municipality	Year	Domestic service							Commercial light service							Power service				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
GROUP III—SMALL TOWNS (less than 2,000 population), VILLAGES, AND SUBURBAN AND RURAL AREAS																				
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Acton—																				
	1913	1,236.50	.....	82	....	....	....	10	1,567.48	.....	62	....	....	....	10	318.77	3	.....	.....	147
	1914	1,463.72	21,192	146	12	1.07	7.1		1,496.18	19,878	58	28	2.08	7.5		836.13	5	.....	.....	209
	1915	1,931.11	29,079	183	13	98	6.5		1,725.73	24,336	53	36	2.59	7.1		1,019.27	5	.....	.....	241
	1916	1,942.11	29,685	185	13	88	6.8		1,592.62	35,227	60	52	2.35	4.5		1,565.53	7	.....	.....	252
	1917	2,016.13	34,268	200	15	87	5.8		1,600.56	38,244	65	49	2.05	4.2		4,116.69	9	157	26.22	274
	1918	2,154.00	41,593	219	16	85	5.2		1,360.35	32,897	61	43	1.80	4.1		5,166.36	9	170	30.39	289
	1919	2,628.12	44,352	235	16	93	5.9		1,613.56	39,807	65	51	2.07	4.1		5,329.46	10	199	26.78	310
	1920	3,115.26	76,922	260	25	1.00	4.0		1,672.82	40,272	71	47	1.96	4.2		5,230.46	10	200	26.15	341
	1921	3,650.48	100,205	301	28	1.01	3.6		2,012.27	56,732	69	68	2.34	3.5		5,558.31	14	216	25.85	384
	1922	4,374.68	131,954	351	31	1.03	3.3		2,364.01	70,027	64	91	3.08	3.4		6,901.68	16	267	25.85	431
	1923	5,834.01	205,605	383	44	1.26	2.8		2,475.16	77,647	74	87	2.79	3.1		8,729.16	18	315	27.74	475
	1924	6,488.68	249,527	399	53	1.38	2.6		2,649.50	70,872	69	82	2.86	3.5		10,472.34	18	339	30.90	486
	1925	6,696.33	287,204	414	57	1.34	2.3		2,934.13	102,178	75	113	3.26	2.8		11,868.45	18	382	31.07	507

NOTE.—The power used in the smaller places and rural districts is, and probably must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages, townships and rural districts, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power, however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small and isolated water power developments throughout the Province. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement "D," page 336.

Agincourt—																				
1923	2,161.85	34,391	84	34	2.14	6.2	None	325.59	2,333	10	19	2.71	13.9	None	1,003.19	2	26	38.58	96
1924	2,329.95	50,686	101	46	2.10	4.6		394.30	5,478	11	43	3.13	7.3		926.19	2	27	34.30	114
1925	2,615.82	61,451	114	48	2.03	4.2		500.18	5,967	13	41	3.47	8.4		924.09	2	28	32.42	129
Ailsa Craig—																				
1916	579.57	6,270	51	10	95	9.5	None	213.46	1,910	11	.....	.....	11.2	None	15.57	1	.....	.....	63
1917	776.93	7,584	55	12	1.22	10.2		255.84	932	19	.....	.....	11.2		1,591.95	4	40	39.80	78
1918	820.95	9,176	58	13	1.22	8.9		299.58	3,432	24	13	1.19	8.7		4,003.23	3	87	46.01	85
1919	1,087.47	12,991	71	15	1.28	8.4		496.94	5,578	27	18	1.62	9.0		3,786.31	1	93	31.03	99
1920	1,292.33	14,654	78	16	1.38	8.8		630.19	6,627	30	18	1.75	9.5		5,400.16	3	141	38.30	111
1921	1,402.73	20,369	95	18	1.23	6.9		722.21	7,553	32	20	1.88	9.6		5,297.07	3	124	42.71	130
1922	1,557.35	25,145	99	21	1.31	6.2		729.78	8,509	32	22	1.90	8.6		5,532.03	3	128	43.22	134
1923	1,708.00	30,602	138	19	1.03	5.5		735.81	9,838	30	27	2.04	7.4		4,267.97	3	124	34.41	170
1924	1,615.40	27,918	111	19	1.08	5.7		810.37	9,998	31	27	2.18	8.1		4,125.76	3	113	36.51	145
1925	1,757.05	39,817	115	29	1.30	4.5		982.22	13,061	26	38	2.87	7.6		1,729.62	2	51	33.91	143
Alliston—																				
1918	1,160.23	.....	191	.....	.....	.....	12	713.95	.....	81	.....	.....	.....	12	437.43	4	.....	.....	276
1919	3,084.19	48,870	213	19	1.21	6.3		1,897.62	38,340	88	36	1.80	4.9		2,049.08	8	72	28.46	309
1920	4,255.43	62,464	243	21	1.46	6.8		3,055.99	51,527	88	49	2.89	6.0		4,924.33	14	166	29.66	345
1921	5,253.63	75,424	262	24	1.67	7.0		3,375.50	45,691	88	43	3.20	7.4		3,567.19	15	149	23.94	365
1922	5,554.85	82,484	275	25	1.68	6.7		3,239.50	43,288	84	43	3.21	7.4		1,796.19	11	91	19.74	370
1923	5,951.34	92,844	279	27	1.77	6.4		3,295.53	43,569	83	44	3.31	7.5		1,916.28	11	94	20.38	373
1924	5,971.13	106,834	301	31	1.72	5.5		3,178.55	44,532	86	44	3.12	7.1		2,136.07	10	98	21.73	397
1925	5,985.39	119,289	311	32	1.63	5.1		3,194.20	48,134	91	45	3.01	6.7		2,024.52	14	89	22.75	416
Alvinston—																				
1922	1,586.27	.....	128	.....	.....	.....		1,124.49	.....	50	.....	.....	.....		826.70	5	.....	.....	183
1923	2,693.28	26,474	140	15	1.60	10.1		1,901.92	16,637	52	26	3.04	11.4		3,833.45	6	103	37.21	198
1924	2,937.84	35,595	140	21	1.75	8.3		2,136.23	21,507	53	34	3.36	9.9		4,031.25	7	93	43.34	200
1925	2,977.30	37,380	141	22	1.76	8.0		2,087.49	24,369	56	57	3.19	8.6		4,098.86	6	90	45.29	203
Ancaster Township—																				
1920	6,201.70	116,305	363	27	1.42	5.3	None	646.09	12,257	34	30	1.58	5.3	None	144.17	3	12	12.00	400
1921	7,406.62	153,519	422	30	1.38	4.7		891.37	18,556	34	45	2.19	4.8		130.13	3	15	8.67	459
1922	8,598.01	177,507	467	31	1.53	4.9		993.66	24,542	39	52	2.12	4.0		293.44	4	40	7.34	546
1923	10,377.24	239,348	486	41	1.77	4.3		1,292.61	27,852	47	49	2.29	4.6		402.28	4	40	10.05	537
1924	12,764.29	257,348	514	43	2.12	4.9		1,340.19	29,812	41	56	2.54	4.5		541.13	4	40	13.53	559
1925	11,582.06	315,999	544	50	1.82	3.6		1,556.65	39,522	40	81	3.20	4.0		546.26	4	40	13.65	588
Apple Hill—																				
1922	522.93	.....	26	.....	.....	.....		527.94	.....	19	.....	.....	.....		595.57	1	.....	.....	46
1923	688.47	.....	28	.....	.....	.....		609.54	.....	19	.....	.....	.....		659.30	1	.....	.....	48
1924	760.72	10,854	31	30	2.11	7.0		654.47	5,891	18	27	3.03	11.2		507.17	1	13	37.76	50
1925	752.28	11,731	33	31	1.96	6.3		758.98	8,446	17	40	3.61	9.0		511.12	1	11	45.55	51

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality	Year	Domestic service							Commercial light service							Power service				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Arthur—																				
	1917	854.24	9,307	60	13	1.19	9.1	10	922.38	9,585	51	17	1.51	9.6	10	177.21	2	20	.....	113
	1918	1,065.52	12,457	69	15	1.05	8.5	+25*	940.54	9,855	58	14	1.35	9.5	+25*	3,285.56	4	80	41.06	131
	1919	1,393.50	16,840	84	17	1.38	8.3		1,499.36	16,210	64	21	1.95	9.2		5,103.85	6	130	39.25	154
	1920	1,949.56	23,412	95	20	1.81	8.3		1,898.65	19,967	62	25	2.38	9.5		4,948.55	6	126	39.27	163
	1921	2,368.81	25,582	101	21	1.90	9.2		2,699.10	21,203	71	25	3.17	12.7		5,013.98	5	122	41.10	177
	1922	2,811.99	30,930	120	21	1.95	9.3		2,911.14	22,540	70	27	3.44	12.7		4,325.59	5	100	43.26	195
	1923	3,104.17	33,500	140	19	1.84	9.2		3,044.35	23,730	76	26	3.33	12.7		3,990.58	4	89	44.83	220
	1924	3,794.69	51,915	144	30	2.23	7.4		2,885.23	26,940	71	30	3.25	10.8		4,486.73	4	91	49.30	219
	1925	3,986.05	54,500	153	31	2.24	7.2		3,101.41	26,750	75	31	3.54	11.4		4,728.93	4	95	49.78	232
Ayr—																				
	1915	892.63	16,031	79	....	....	5.5	12.5	773.08	9,477	35	....	....	8.1	12.5	348.78	1	.....	.....	115
	1916	1,084.46	12,314	83	13	1.12	8.8	+25*	804.00	12,960	48	26	1.61	6.2	+25*	393.39	2	.....	.....	133
	1917	1,124.21	14,228	92	14	1.08	7.9		857.27	12,441	48	23	1.50	6.9		996.44	2	32	30.20	142
	1918	1,178.84	14,666	94	13	1.05	8.0		806.01	10,134	49	17	1.37	7.9		1,033.02	2	41	25.19	145
	1919	1,461.64	18,926	103	15	1.19	7.7		1,118.50	14,474	47	27	1.99	7.8		1,015.08	3	41	24.76	153
	1920	1,762.84	21,747	105	17	1.40	8.1		1,421.85	18,329	43	35	2.75	7.8		2,251.84	6	70	32.17	154
	1921	1,862.55	27,255	115	20	1.35	6.8		1,319.32	15,200	42	30	2.62	8.7		2,546.21	5	86	29.60	162
	1922	2,075.16	33,177	129	21	1.34	6.4		1,281.59	18,594	47	33	2.27	6.9		2,217.52	4	78	28.43	180
	1923	2,300.13	46,228	143	26	1.34	4.9		1,288.55	24,866	47	44	2.30	5.1		2,592.40	3	71	37.92	193
	1924	2,467.40	67,867	157	38	1.37	3.6		1,173.64	21,919	51	37	2.00	5.4		1,758.33	3	78	22.54	211
	1925	2,569.24	83,799	169	41	1.27	3.0		1,022.31	28,740	49	49	1.74	3.5		846.48	2	34	24.69	220
Baden—																				
	1913	884.11	.....	75	....	....	....	None	†	.....	†	....	....	....	None	2,242.77	4	.....	.....	79
	1914	1,247.81	6,920	82	7	75	10.0		†	5,547	†	7	75	10.0		4,580.23	4	.....	.....	86
	1915	938.33	12,729	72	13	98	7.4		.....	.....	.....	13	98	7.4		4,588.87	4	.....	.....	76
	1916	808.21	8,824	84	16	86	5.5		.....	5,772	.....	16	86	5.5		5,059.33	5	.....	.....	89

1917	842.09	10,066	58	12	98	8.4		.....	5,827	23	12	98	8.4		5,243.91	5	175	29.96	86
1918	975.04	16,543	60	23	98	4.3		270.48	5,865	23	21	98	4.3		5,202.04	4	185	28.11	87
1919	812.56	15,917	68	20	1.06	5.3		285.18	7,372	26	25	97	4.7		5,669.93	5	211	26.87	99
1920	884.43	18,212	73	22	1.05	4.8		453.60	10,089	28	31	1.40	4.5		5,747.18	6	222	25.89	107
1921	958.06	25,280	78	27	1.02	3.8		456.15	10,390	24	36	1.60	4.4		5,967.22	6	230	25.94	108
1922	1,150.47	38,721	86	38	1.11	2.9		440.60	13,894	24	48	1.53	3.2		6,397.12	4	252	25.39	114
1923	1,361.82	53,387	89	49	1.28	2.5		445.92	16,340	25	54	1.48	2.7		7,221.43	4	238	30.34	118
1924	1,463.32	70,707	95	64	1.33	2.1		517.92	17,356	26	56	1.66	3.0		6,851.39	4	232	29.53	125
1925	1,674.38	92,027	106	76	1.39	1.8		570.18	17,244	25	56	1.86	3.3		8,125.62	5	266	30.55	136
Barton Twp.—																			
‡1924	15,522.23	.....	1,093	....	....	....		1,425.99	.....	77	....	....	....		3,820.54	10	.....	.....	1,180
1925	19,288.73	519,484	1,087	40	1.47	3.7		2,290.86	26,344	68	30	2.63	8.8		5,523.29	6	214	25.77	1,161
Beachville—																			
1913	562.97	.....	45	....	....	....	None	†	.....	†	....	....	....	None	5,993.81	4	.....	.....	49
1914	587.33	4,422	45	....	....	7.9		†	2,988	†	....	....	7.9		5,368.04	4	.....	.....	49
1915	363.33	5,356	37	11	74	6.8		296.37	4,847	12	34	2.05	6.1		5,593.15	4	.....	.....	53
1916	400.81	5,891	42	13	84	6.8		263.62	3,872	12	27	1.83	6.8		5,393.02	3	.....	.....	57
1917	419.11	6,317	44	12	79	6.6		286.14	5,597	12	39	1.99	5.1		6,354.25	3	428	14.85	59
1918	441.44	6,448	47	11	79	6.8		267.81	6,117	13	42	1.86	4.3		7,684.75	3	303	25.36	63
1919	467.51	8,721	53	14	74	5.4		421.38	8,366	13	54	2.70	5.0		7,174.94	3	.....	.....	69
1920	788.83	12,838	69	15	95	6.1		375.22	9,006	19	39	1.65	4.2		8,631.75	3	350	24.66	91
1921	786.32	11,404	71	13	92	6.9		433.10	9,219	23	33	1.57	4.7		7,992.11	3	336	23.79	97
1922	869.79	16,773	74	19	96	5.1		630.79	17,305	25	58	2.10	3.6		8,422.87	3	332	25.37	102
1923	965.48	24,036	76	26	1.06	4.0		607.21	16,127	29	46	1.74	3.7		11,924.75	3	441	29.31	108
1924	1,072.83	29,041	93	29	1.06	3.7		584.43	14,755	30	42	1.65	3.9		13,811.28	2	501	27.57	125
1925	1,247.76	35,622	97	31	1.07	3.5		706.04	14,432	28	43	2.10	4.9		14,286.78	2	500	28.57	127
Beaverton—																			
1915	1,484.62	.....	131	....	....	....	Flat	1,149.67	.....	56	....	....	....	Flat	456.74	5	.....	.....	192
1916	1,417.39	20,685	131	13	90	6.9		1,065.23	17,594	60	25	1.53	6.1		383.45	6	.....	.....	197
1917	1,482.00	20,945	148	13	89	7.1		1,041.84	18,162	51	28	1.58	5.7		650.02	7	36	18.06	206
1918	2,109.23	27,754	127	17	1.28	7.6		1,167.92	22,897	52	37	1.87	5.1		1,235.93	8	60	20.59	187
1919	2,818.75	39,920	142	23	1.65	7.1		1,318.27	36,495	53	57	2.07	3.6		1,608.86	8	69	23.32	203
1920	3,472.74	59,573	151	33	1.91	5.8		1,723.15	37,272	52	60	2.76	4.6		3,332.06	11	97	34.35	214
1921	3,908.27	53,580	159	28	2.05	7.3		2,155.25	38,316	55	58	3.27	5.6		3,790.32	13	125	30.32	227
1922	4,262.25	76,443	165	39	2.15	5.5		2,114.40	47,621	60	66	2.94	4.5		3,383.24	14	134	25.25	239
1923	5,508.56	107,088	298	30	1.54	5.1		2,291.72	56,766	61	77	3.11	4.0		4,608.61	14	182	25.32	373
1924	6,595.10	110,746	321	30	1.79	6.0		2,044.32	57,972	61	79	2.79	3.5		4,274.73	12	171	25.04	394
1925	6,468.26	155,333	336	39	1.64	4.2		2,180.76	68,958	67	90	2.84	3.2		3,466.10	11	150	23.14	414

*Meter rental. †Domestic and commercial light not separated. ‡Nine months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality	Year	Domestic service							Commercial light service							Power service					Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower		
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.		
Beeton—																					
	1918	268.41	.....	62	....	....	....	11	144.29	.....	18	....	....	....	11	905.60	2	.....	.....		82
	1919	904.40	10,114	66	13	1.14	8.9	+15*	738.36	7,926	25	26	2.46	9.4	+15*	3,336.77	1	86	38.80		92
	1920	1,284.55	13,050	76	14	1.41	9.8		906.28	10,137	28	30	2.70	8.9		3,740.12	2	86	43.49		106
	1921	1,753.33	18,121	79	19	1.85	9.7		1,242.18	13,595	30	38	3.45	9.1		4,507.27	2	93	48.47		111
	1922	2,107.96	22,921	89	21	1.97	9.4		1,408.90	15,718	29	45	4.05	9.0		3,802.85	3	90	42.25		121
	1923	2,369.07	28,389	93	35	2.12	8.3		1,445.83	18,471	32	48	3.76	7.8		3,037.04	3	84	36.15		128
	1924	2,259.49	36,445	100	31	1.94	6.3		1,739.97	20,135	30	54	4.84	8.9		3,650.34	4	103	35.30		134
	1925	2,449.38	46,758	105	38	1.99	5.2		1,598.74	24,442	32	66	4.30	6.5		3,583.95	4	107	33.56		141
Belle River—																					
	1923	3,134.84	52,864	97	45	2.69	5.9		926.81	7,879	19	34	4.06	11.9		523.08	2	17	30.76		118
	1924	2,836.75	70,458	118	54	2.95	5.5		1,010.86	10,532	24	41	3.92	9.6		108.52	2	8	13.56		144
	1925	3,622.26	77,393	129	50	2.45	4.6		1,283.73	16,212	26	54	4.27	8.0		440.66	4	30	14.45		159
Blenheim—																					
	1917	2,256.70	30,314	212	12	89	7.4	10	2,113.67	28,786	84	29	2.09	7.3	10	47.40	3	.....	.....		299
	1918	2,281.49	29,136	216	11	88	7.8		1,843.63	21,546	76	22	1.92	8.5		1,578.42	10	81	19.48		302
	1919	2,998.75	45,345	259	15	97	6.6		2,541.02	46,942	85	46	2.49	5.4		3,178.87	9	135	23.55		353
	1920	3,519.19	70,262	308	19	95	5.0		2,956.41	60,862	91	56	2.71	4.8		3,237.99	11	142	22.80		410
	1921	4,396.96	69,897	359	16	1.02	6.3		3,638.77	69,641	93	62	3.25	5.2		3,832.93	11	150	25.55		463
	1922	4,861.99	86,881	406	18	1.00	5.6		3,799.58	73,293	98	62	3.23	5.2		4,607.90	11	184	25.04		515
	1923	5,270.86	106,973	389	22	1.12	4.9		3,574.09	82,114	101	67	2.94	4.4		4,953.38	13	194	25.53		503
	1924	4,537.83	143,366	418	29	94	3.3		3,221.33	96,132	102	79	2.64	3.3		7,729.51	18	293	26.38		538
	1925	5,558.15	197,338	397	40	1.14	2.8		3,560.44	118,963	98	99	2.96	3.0		8,332.17	16	294	27.41		511
Bloomfield—																					
	1920	1,184.19	12,063	76	13	1.30	9.8	None	607.68	6,283	15	35	3.38	9.7	None	1,000.32	4	36	20.79		95
	1921	1,481.86	16,381	78	17	1.58	9.1		665.41	6,114	16	32	3.48	10.9		635.83	3	24	26.49		97

1922	1,585.28	18,410	88	17	1.50	8.8		736.46	7,390	19	32	3.23	10.0		789.12	4	26	30.35	111
1923	1,696.39	22,052	89	20	1.48	7.6		845.06	7,859	17	36	3.91	10.9		2,010.49	6	59	34.07	112
1924	2,231.09	25,530	126	20	1.73	8.7		1,013.72	9,609	19	44	4.69	10.7		2,097.90	6	09	35.55	151
1925	2,576.98	30,844	131	20	1.67	8.4		1,288.83	14,806	22	60	5.24	8.7		2,948.96	8	88	33.32	161
Blyth—																			
‡1924	1,028.20	9,132	95	34	2.71	8.0		506.84	4,016	34	30	3.73	12.4		181.43	....	.....	.....	129
1925	3,213.00	33,415	101	28	2.73	9.7		1,424.70	11,398	35	28	3.44	12.4		371.98	1	15	24.80	137
Bolton—																			
1915	624.86	6,563	59	.....	.....	9.5	10	553.80	7,298	42	.....	.....	7.6	10	313.74	3	.....	.....	104
1916	926.86	9,322	70	12	1.20	9.9	+25*	882.26	13,081	36	28	1.88	6.7	+25*	3,947.32	4	.....	.....	110
1917	1,191.92	12,829	78	13	1.27	9.3		698.70	12,534	44	26	1.46	5.6		2,856.39	5	117	24.41	127
1918	1,262.21	12,072	80	12	1.33	10.0		791.76	12,997	44	24	1.49	6.1		3,882.39	5	110	35.25	129
1919	1,285.93	16,710	90	16	1.19	7.5		874.67	14,154	42	28	1.73	6.2		2,812.67	7	101	28.84	139
1920	1,450.23	19,690	97	17	1.24	7.4		1,380.69	18,262	43	31	2.34	7.6		4,060.05	9	143	28.39	149
1921	1,963.73	26,630	118	19	1.39	7.4		1,593.76	17,686	38	39	3.50	9.0		3,473.82	10	144	24.12	166
1922	2,154.22	27,989	119	20	1.51	7.6		1,310.13	13,980	40	29	2.73	9.4		4,185.85	8	156	26.83	167
1923	2,510.07	33,027	122	23	1.73	7.6		1,097.96	11,680	41	24	2.24	9.4		2,421.67	9	90	26.90	172
1924	2,520.15	35,411	122	24	1.72	7.2		1,215.44	15,841	39	33	2.53	7.7		4,452.75	6	96	46.38	167
1925	2,419.21	37,853	128	25	1.61	6.4		1,159.80	16,369	41	34	2.42	7.1		3,495.39	6	89	39.05	175
Bothwell—																			
1915	230.61	.....	68	.....	.....	.....	Flat	191.21	.....	32	.....	.....	.....	Flat	.....	....	.....	.....	100
1916	928.16	8,662	78	10	1.03	10.7		768.57	8,613	52	17	1.46	8.9		.....	....	.....	.....	130
1917	1,085.92	9,890	86	10	1.05	10.9		825.43	8,877	45	16	1.53	9.3		1,500.00	2	.....	.....	133
1918	1,107.02	11,101	89	10	1.05	9.9		740.20	8,254	51	14	1.28	8.9		2,688.09	7	58	46.34	147
1919	1,359.99	15,415	94	14	1.21	8.8		1,015.60	15,262	53	24	1.60	6.7		6,291.48	10	128	49.15	157
1920	1,706.75	16,911	112	13	1.27	10.0		1,306.66	14,787	53	23	2.05	9.1		6,648.65	4	138	48.18	169
1921	2,040.83	22,356	123	15	1.38	9.1		1,532.34	18,996	57	28	2.24	8.1		6,831.32	7	143	47.77	187
1922	2,257.72	30,281	143	18	1.31	7.2		1,407.11	21,322	48	37	2.44	6.6		6,511.40	15	161	40.44	206
1923	2,500.63	41,995	159	22	1.31	5.9		1,162.60	22,848	53	35	1.82	5.0		6,453.83	14	164	39.35	226
1924	2,527.96	53,550	169	27	1.28	4.7		1,229.04	27,402	51	44	1.97	4.5		6,558.02	15	170	38.58	235
1925	2,754.06	69,853	171	34	1.35	4.0		1,441.77	35,662	53	57	2.31	4.0		7,001.59	13	171	40.94	237
Bradford—																			
1919	759.12	.....	60	.....	.....	.....	None	869.68	.....	40	.....	.....	.....	None	.....	....	.....	.....	109
1920	1,727.98	15,352	89	17	1.93	11.3		1,350.90	17,940	47	32	2.39	7.5		428.61	2	16	26.79	138
1921	2,522.99	33,218	104	27	2.02	7.6		1,822.52	20,656	44	39	3.45	8.8		1,310.02	2	43	30.46	150
1922	3,032.09	40,024	129	26	1.96	7.5		1,844.21	21,801	47	39	3.27	8.4		1,370.88	2	43	31.88	178
1923	3,986.23	60,488	137	36	2.42	6.5		2,477.31	29,991	49	51	4.21	8.2		1,846.28	3	59	31.29	189
1924	4,095.91	54,604	150	32	2.31	7.2		2,736.69	27,314	50	45	4.56	10.1		2,470.19	3	79	31.07	203
1925	4,114.35	59,875	161	32	2.21	6.9		2,941.28	30,984	53	50	4.76	9.5		4,076.90	5	138	29.54	219

*Meter rental. †Domestic and commercial light revenue not divided. ‡Four months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Brantford Twp.—																			
1918	440.72	.....	250	....	....	....	None	.....	.....	.....	....	....	....	None	.....	....	.....	.....	250
1919	5,325.01	131,271	548	20	81	4.1		611.75	16,122	26	52	1.96	3.8		2,950.19	4	101	29.21	578
1920	6,277.87	146,541	391	31	1.34	4.3		670.44	17,434	22	66	2.54	3.8		4,226.65	4	165	25.62	417
1921	7,725.17	188,774	515	31	1.24	4.1		1,171.09	30,779	32	80	3.05	3.8		5,094.81	4	190	26.81	551
1922	10,417.45	308,934	492	51	1.72	3.3		1,538.66	68,542	36	168	3.77	2.2		5,260.09	5	203	25.91	533
1923	12,509.06	421,669	563	74	1.85	2.9		2,287.03	104,305	41	212	4.65	2.2		6,776.71	5	218	31.08	609
1924	13,311.64	486,216	572	71	1.95	2.7		3,061.06	121,114	41	246	6.22	2.5		5,248.17	5	204	25.72	618
1925	13,643.14	361,165	584	52	1.97	3.8		3,425.86	120,512	40	248	7.05	2.8		2,489.12	5	87	28.41	629
Brechin—																			
1915	148.83	.....	13	....	....	....	None	407.78	.....	14	....	....	....	None	1,007.59	1	.....	.....	28
1916	172.42	1,836	16	11	1.02	9.4		404.70	5,370	20	28	2.00	7.5		1,153.32	1	.....	.....	37
1917	194.03	2,131	19	10	90	9.1		528.24	7,364	20	31	2.20	7.1		1,285.50	2	32	40.17	41
1918	277.18	2,631	22	10	1.12	10.5		552.35	8,177	24	30	2.09	6.7		1,555.32	2	35	44.43	48
1919	422.33	5,382	25	18	1.41	7.8		559.35	9,036	25	30	1.86	6.2		2,157.29	3	58	37.20	53
1920	596.76	7,484	24	26	2.07	8.0		707.93	8,909	21	35	2.81	7.9		1,646.15	2	60	27.44	47
1921	650.85	8,317	28	25	1.94	7.8		1,029.78	10,094	22	39	3.99	10.2		2,036.27	3	62	32.84	53
1922	862.55	10,488	32	27	2.25	8.3		991.84	9,567	23	35	3.67	10.5		1,419.77	2	35	40.56	57
1923	955.78	10,190	34	25	2.34	9.3		841.46	8,232	24	29	2.98	10.3		1,201.16	2	35	34.31	60
1924	886.55	10,747	35	26	2.28	8.8		976.35	10,245	25	35	3.32	9.5		1,326.28	2	35	37.89	62
1925	868.76	10,487	36	25	2.04	8.1		1,057.25	12,377	25	41	3.51	8.6		1,459.04	3	35	41.10	64
Brigden—																			
1918	413.29	.....	41	....	....	....	15	760.17	.....	37	....	....	....	15	710.37	2	.....	.....	80
1919	625.14	6,817	47	12	1.11	9.2		1,080.00	11,433	36	27	2.50	9.5		3,289.96	3	79	41.64	86
1920	862.91	9,081	57	13	1.26	9.5		1,384.25	14,863	35	35	3.30	9.3		4,868.57	3	109	44.67	95

1921	1,174.28	12,900	71	15	1.38	9.1		1,276.89	16,937	38	37	2.80	7.5		4,115.94	3	116	35.48	112
1922	1,218.06	15,597	78	17	1.30	7.6		1,399.21	15,320	37	35	3.15	9.0		1,994.87	3	110	18.14	118
1923	1,507.04	19,247	85	19	1.47	7.8		1,500.06	16,532	38	38	3.29	9.1		1,474.22	4	54	27.30	127
1924	1,880.91	22,968	89	22	1.80	8.2		1,330.11	17,784	38	39	2.92	7.5		1,836.86	6	61	30.11	133
1925	2,238.70	39,146	93	36	2.05	5.7		1,492.59	21,098	37	47	3.32	7.1		4,801.50	6	143	33.58	134
Brussels—																			
†1924	1,739.64	.....	142	....	....	....		1,005.46	.....	56	.....	....			206.87	1	.....	.....	199
1925	5,246.35	76,113	150	42	2.99	6.8		2,496.48	35,056	50	58	4.16	7.1		562.22	1	15	37.48	201
Burford—																			
1916	577.69	9,005	64	....	....	6.4	Flat	380.44	7,569	30	.....	....	5.0	Flat	519.72	1	.....	.....	15
1917	834.73	11,519	79	13	98	7.2		837.51	13,262	34	34	2.18	6.3		549.31	1	25	21.98	114
1918	1,089.73	15,489	81	16	1.13	7.0		922.16	13,700	27	38	2.56	6.7		434.05	1	25	17.36	109
1919	1,330.31	18,769	100	17	1.10	7.0		1,064.23	17,680	32	46	2.77	6.0		543.25	1	25	21.73	133
1920	2,023.41	25,180	115	19	1.56	8.2		1,194.81	17,900	34	45	3.02	6.7		279.34	1	7	40.00	150
1921	2,817.52	31,375	127	21	1.84	8.9		1,673.49	18,555	37	42	3.77	9.0		132.50	2	4	33.12	166
1922	3,491.08	42,104	139	25	2.09	8.4		1,966.34	26,266	42	52	3.90	7.5		1,057.03	5	36	29.36	186
1923	3,507.24	57,432	152	31	1.92	6.1		1,795.05	22,587	38	49	3.95	7.9		994.82	5	51	19.50	195
1924	3,868.60	71,345	161	38	2.05	5.4		1,396.71	16,092	38	35	3.06	8.7		881.39	4	44	20.03	203
1925	4,100.51	95,050	175	47	2.03	4.3		1,210.50	20,388	35	46	2.76	6.0		1,470.49	4	47	30.76	214
Burgessville—																			
1917	359.41	5,299	29	....	....	....	None	115.15	1,506	9	.....	....	....	None	815.36	1	28	29.13	39
1918	379.94	4,025	32	11	1.01	9.4		102.66	1,321	10	12	95	7.7		875.67	1	30	29.18	43
1919	423.05	5,623	37	13	95	7.5		127.43	1,375	10	11	1.06	9.3		643.88	1	28	22.99	48
1920	593.18	8,102	45	15	1.10	7.3		147.91	1,955	10	16	1.23	7.6		688.75	1	30	22.99	56
1921	756.62	8,281	44	16	1.43	9.1		288.50	2,615	12	18	2.00	11.0		821.31	1	30	27.38	57
1922	757.10	10,556	49	18	1.29	7.1		257.31	3,131	12	22	1.79	8.1		656.82	1	30	21.89	62
1923	855.50	11,550	50	19	1.42	7.4		246.85	2,986	12	20	1.72	8.3		1,147.62	1	30	38.25	63
1924	917.77	11,354	47	19	1.56	8.2		292.51	3,200	15	19	1.74	9.1		1,177.05	1	30	39.23	63
1925	1,000.68	17,124	50	28	1.66	5.8		399.79	4,373	14	26	2.38	9.1		999.46	1	30	33.31	65

†Four months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Caledonia—																			
1913	404.60	.....	17	....	....	....	None	†	.....	16	....	....	....	None	470.34	1	.....	....	34
1914	880.54	.....	21	....	....	....		†	.....	32	....	....	....		188.54	1	.....	....	54
1915	265.62	4,618	24	16	98	5.4		950.38	18,325	33	47	2.44	5.4		138.42	1	.....	....	58
1916	263.39	4,800	27	16	86	5.5		777.38	20,000	37	47	1.85	4.0		519.82	3	.....	.....	67
1917	283.63	5,500	33	13	79	5.2		786.20	22,800	38	50	1.72	3.4		777.85	4	48	16.21	.....
1918	354.98	7,256	40	16	82	4.8		807.14	19,464	42	42	1.68	4.1		922.18	4	33	27.94	86
1919	453.33	9,106	44	17	86	5.0		907.76	24,929	45	46	1.68	3.7		733.31	8	40	18.33	97
1920	671.96	19,407	60	28	93	3.4		1,155.64	44,932	49	76	1.97	2.6		989.23	9	71	14.00	118
1921	994.76	20,634	76	23	1.09	4.8		1,584.02	61,357	55	93	2.40	2.6		1,139.37	7	72	15.82	138
1922	1,202.16	33,960	91	31	1.10	3.5		1,731.70	61,842	60	86	2.41	2.8		958.20	7	77	12.44	158
1923	1,481.52	38,301	100	31	1.23	3.8		1,828.29	63,631	64	82	2.38	2.8		1,377.07	8	85	16.21	172
1924	1,644.39	59,884	113	47	1.28	2.7		2,226.66	80,786	80	93	2.58	2.8		2,658.41	8	108	24.61	201
1925	2,055.75	58,992	143	34	1.19	3.4		3,041.86	98,223	75	109	3.38	3.1		2,630.08	9	115	22.87	227
Campbellville—																			
1925	916.02	10,467	33	26	2.31	8.7		345.58	2,834	6	39	4.80	12.1		.....	....	.....	.....	39
Cannington—																			
1915	1,599.40	.....	135	....	....	....	12.5	1,120.04	.....	65	....	....	....	12.5	464.26	6	.....	.....	206
1916	1,720.25	25,049	150	15	1.00	6.9		973.63	13,808	73	17	1.17	7.1		462.47	7	.....	.....	230
1917	2,040.39	29,390	137	17	1.19	6.9		936.22	19,722	70	23	1.10	4.7		495.80	7	45	11.02	214
1918	2,264.80	40,160	143	24	1.34	5.6		917.90	16,741	64	20	1.14	5.4		726.87	9	48	15.14	216
1919	2,656.21	53,287	162	27	1.37	5.0		1,437.51	24,496	63	33	1.90	5.9		786.09	9	64	12.28	234
1920	3,713.43	73,365	176	35	1.76	5.1		2,042.35	24,518	68	30	2.34	7.8		1,132.55	10	70	16.18	254
1921	4,384.72	76,107	182	35	2.04	5.8		2,398.50	32,801	70	39	2.85	7.3		1,207.13	11	69	17.49	263
1922	4,563.79	82,542	189	37	2.05	5.5		2,491.41	30,794	67	38	3.10	8.2		1,074.84	10	71	15.14	266
1923	4,265.22	72,116	194	31	1.83	5.9		2,380.92	43,596	72	52	2.88	5.5		1,148.35	12	73	15.73	278
1924	4,341.90	91,107	199	38	1.84	4.8		2,088.42	46,481	66	56	2.52	4.5		1,110.02	10	60	18.56	275
1925	3,905.76	103,722	209	42	1.60	3.8		2,122.88	52,549	67	66	2.66	4.0		1,196.23	12	65	18.40	288

Cayuga—																			
‡1925	1,536.32	29,450	57	43	2.25	5.2		1,950.07	25,661	41	52	3.96	7.6		2,888.45	2	.....	.....	100
Chatsworth—																			
1917	379.96	4,256	37	10	87	8.9	None	253.75	3,980	23	14	92	6.4	None	.....	.....	.....	.....	60
1918	445.83	5,409	41	11	95	8.2		259.74	3,542	24	13	92	7.3		726.12	1	30	24.20	66
1919	601.96	8,146	46	16	1.09	6.8		288.85	5,594	20	23	1.20	5.2		622.58	1	23	27.05	61
1920	724.34	9,279	50	15	1.21	7.8		579.22	7,959	28	24	1.72	7.3		598.26	1	30	19.94	79
1921	985.81	10,999	52	18	1.58	9.0		786.28	8,386	27	26	2.43	9.4		619.31	1	30	20.64	80
1922	1,180.48	12,419	52	20	1.89	9.4		789.95	7,737	28	23	2.35	10.2		573.88	1	30	19.13	81
1923	1,163.89	13,119	56	19	1.73	8.7		743.79	8,586	27	26	2.29	8.6		611.70	1	30	20.39	84
1924	1,125.80	16,089	56	24	1.67	7.0		619.36	7,435	29	22	1.84	8.4		663.12	1	32	20.67	86
1925	1,242.55	18,976	56	28	1.85	6.6		704.16	10,707	24	34	2.21	6.5		709.91	1	33	21.51	81
Chesley—																			
1917	2,122.78	25,792	185	12	95	8.2	Flat	1,971.03	30,058	81	31	.....	.....	Flat	1,725.38	10	64	26.96	276
1918	2,348.43	32,368	202	14	1.01	7.2		2,071.77	37,126	78	39	2.17	5.5		2,846.85	13	104	27.37	293
1919	2,975.29	46,212	226	17	1.10	6.4		2,679.48	46,369	81	48	2.76	5.8		4,642.70	15	169	27.47	322
1920	4,000.52	68,967	259	22	1.29	5.8		2,943.77	50,415	83	51	2.96	5.8		7,364.09	15	207	35.58	357
1921	5,352.03	84,811	269	26	1.66	6.3		3,523.13	49,937	90	46	3.26	7.0		7,717.82	14	215	35.89	373
1922	5,894.11	84,407	282	25	1.74	7.0		4,301.33	59,095	92	54	3.90	7.2		8,823.91	16	243	36.31	390
1923	6,036.92	91,062	293	25	1.71	6.6		4,201.13	56,266	90	52	3.88	7.4		7,503.74	18	247	30.38	363
1924	6,000.43	112,298	315	31	1.64	5.3		3,960.43	63,344	94	57	3.59	6.3		8,819.50	16	236	37.37	425
1925	6,098.65	151,712	346	38	1.54	4.1		3,869.35	76,209	92	68	3.47	5.1		7,699.12	16	218	35.31	454
Chesterville—																			
1914	530.13	7,672	68	.....	.....	6.9	None	791.67	10,176	35	.....	.....	7.7	None	.....	.....	.....	.....	103
1915	919.27	12,663	85	14	1.00	7.2		1,187.54	12,104	49	21	2.06	9.8		.....	.....	.....	.....	134
1916	1,490.99	15,779	89	17	1.43	9.4		1,240.56	15,179	47	26	2.12	8.2		177.55	1	.....	.....	137
1917	1,505.16	18,395	87	17	1.42	8.2		1,226.80	15,360	45	28	2.18	7.9		2,134.49	2	53	40.27	134
1918	1,485.76	21,485	96	19	1.35	6.9		2,205.36	32,975	48	59	3.63	6.1		3,520.13	2	95	37.05	146
1919	1,815.29	30,414	115	24	1.43	6.0		2,501.13	46,706	39	98	5.34	5.4		3,984.91	2	124	32.13	156
1920	2,618.21	39,488	126	26	1.73	6.6		3,805.60	47,642	47	84	5.47	6.5		6,955.75	2	186	37.40	175
1921	3,559.07	45,564	143	27	2.07	7.8		2,923.10	27,413	56	41	4.35	10.6		6,133.40	3	183	33.57	202
1922	3,955.40	50,992	151	28	2.18	7.7		2,862.69	26,123	52	42	4.41	10.5		5,460.28	3	141	38.72	206
1923	4,098.45	56,004	163	28	2.09	7.4		3,209.30	29,274	56	43	4.77	10.9		7,343.78	3	168	43.71	222
1924	4,012.00	77,590	180	38	1.96	5.2		2,743.04	38,721	62	55	3.87	7.0		8,582.79	4	196	43.32	246
1925	3,997.85	84,587	177	39	1.87	4.8		2,324.08	42,284	62	57	3.12	5.5		9,116.46	3	192	47.38	242

†Domestic and commercial light not separated.

‡Fourteen months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality	Year	Domestic service							Commercial light service							Power service				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Chippawa—																				
	1920	2,078.72	39,243	116	40	2.14	5.3	None	269.76	.....	23	....	1.40	....	None	.....	....	.....	.....	139
	1921	2,932.89	70,746	144	41	1.70	4.1		723.18	11,910	26	38	2.32	6.1		.....	....	.....	.....	170
	1922	3,373.63	75,044	172	36	1.63	4.4		706.82	14,871	34	41	1.96	4.7		1,487.77	3	60	24.80	209
	1923	3,901.58	50,336	190	22	1.71	7.7		750.34	16,128	26	51	2.40	4.6		1,537.85	5	.....	.....	221
	1924	3,814.34	52,590	197	23	1.64	7.1		752.04	24,768	31	71	2.17	3.1		766.23	4	37	20.71	232
	1925	4,086.18	156,700	218	62	1.64	2.6		1,202.82	38,759	36	96	2.99	3.1		3,403.87	6	105	32.41	260
Clifford—																				
	†1924	930.03	.....	54	....	....	....		748.84	.....	29	....	....	....		60.40	1	.....	.....	84
	1925	1,681.12	20,492	63	29	2.39	8.3		1,274.30	11,108	30	31	3.60	11.6		151.36	1	5	30.27	94
Clinton—																				
	1914	2,023.70	21,466	179	....	....	9.4	10	2,028.08	24,696	111	....	....	8.2	25	1,255.33	7	.....	.....	297
	1915	2,930.57	36,598	204	16	1.28	8.2	+25*	3,068.63	40,234	110	20	2.31	7.6	+25*	2,018.24	6	.....	.....	320
	1916	3,161.29	41,986	211	17	1.27	7.5		3,064.37	41,205	122	31	2.30	7.4		2,498.64	7	.....	.....	330
	1917	3,220.73	40,965	246	15	1.19	7.9		2,654.30	34,471	115	25	1.92	7.7		2,348.15	7	74	31.73	368
	1918	3,536.08	60,774	258	20	1.16	5.8		2,311.42	40,289	121	28	1.63	5.7		3,655.01	10	114	32.06	389
	1919	4,447.04	78,737	276	24	1.34	5.6		3,044.93	54,665	124	37	2.05	5.5		4,589.74	11	142	32.32	411
	1920	5,013.77	105,302	332	26	1.26	4.8		3,586.69	65,248	140	39	2.13	5.5		4,652.31	11	144	32.31	483
	1921	6,045.27	120,135	361	28	1.40	5.0		4,064.94	71,139	130	46	2.61	5.7		3,957.98	11	142	27.87	502
	1922	6,478.04	132,243	388	28	1.39	4.8		4,125.00	82,609	131	53	2.64	4.9		4,257.12	11	143	29.77	530
	1923	6,253.49	185,553	411	37	1.26	3.3		4,001.92	79,860	131	51	2.54	5.0		7,696.96	11	222	34.67	553
	1924	7,232.03	271,364	433	53	1.43	2.9		4,032.42	102,190	132	64	2.55	4.0		8,143.61	12	220	37.02	576
	1925	8,281.81	349,938	452	64	1.53	2.3		4,499.09	105,355	125	70	3.00	4.2		8,565.04	12	223	38.40	589
Coldwater—																				
	1913	400.43	.....	48	....	....	....	None	330.25	.....	132	....	....	....	None	247.19	1	.....	.....	81
	1914	853.56	12,466	62	19	1.30	6.8		589.85	10,382	39	24	1.40	5.7		617.26	2	.....	.....	103

1915	874.94	16,706	66	21	1.15	5.3		703.35	13,686	37	31	1.54	5.1		363.88	2	.....	.....	105
1916	977.62	16,599	70	20	1.20	5.9		848.82	16,644	39	36	1.85	5.1		247.91	2	.....	.....	111
1917	984.41	22,186	75	25	1.09	4.4		640.85	15,939	39	34	1.37	4.0		182.39	1	20	.....	115
1918	1,078.94	18,058	79	19	1.16	5.9		687.48	12,857	38	28	1.48	5.3		531.90	2	33	16.12	119
1919	1,134.84	21,530	131	14	72	5.2		680.02	14,697	43	29	1.32	4.5		1,064.00	3	71	14.99	177
1920	1,415.14	28,034	87	27	1.36	5.0		1,054.87	21,905	47	39	1.87	4.8		1,548.42	4	85	18.22	138
1921	1,705.16	28,927	87	28	1.63	5.9		1,306.92	19,726	47	35	2.32	6.6		2,079.61	4	102	20.39	138
1922	1,959.10	34,092	97	30	1.77	5.7		1,415.30	19,955	46	35	2.51	7.0		2,575.81	6	112	23.00	149
1923	2,034.86	35,746	98	30	1.73	5.6		1,460.25	21,957	49	37	2.48	6.6		2,841.27	6	120	23.67	153
1924	1,817.24	49,382	111	39	1.44	3.7		1,258.82	27,145	48	47	2.19	4.7		1,468.11	4	66	22.31	163
1925	1,743.28	43,818	113	33	1.30	3.9		1,121.58	21,188	49	36	1.93	5.4		2,292.67	4	81	28.30	166
Comber—																			
1915	214.87	3,181	33	.....	.....	6.8	None	274.49	3,497	33	.....	.....	7.8	None	.....	.....	.....	.....	66
1916	538.57	5,894	37	14	1.32	9.1		678.58	6,729	37	15	1.50	10.1		.....	.....	.....	.....	74
1917	541.45	6,542	39	14	1.19	8.3		689.59	7,245	36	17	1.60	9.5		.....	.....	.....	.....	75
1918	585.12	6,613	41	14	1.22	8.6		625.91	6,108	35	14	1.47	10.2		.....	.....	.....	.....	76
1919	740.75	8,609	48	15	1.29	8.6		865.75	9,253	40	19	1.80	9.4		.....	.....	.....	.....	88
1920	958.81	12,974	62	20	1.45	7.4		1,106.74	11,542	40	24	2.30	9.5		4,824.67	2	78	61.85	104
1921	1,275.54	15,852	68	20	1.65	8.0		1,289.89	16,024	40	38	2.69	8.1		5,294.15	2	92	57.54	110
1922	1,472.95	17,892	74	20	1.73	8.2		1,549.37	19,656	42	40	3.15	7.8		4,555.20	2	77	59.16	118
1923	1,743.06	30,952	77	35	1.88	5.6		1,524.22	23,835	42	47	3.02	6.3		4,527.76	2	97	46.67	121
1924	1,789.74	40,431	79	43	1.86	4.3		1,634.10	29,239	47	54	3.03	5.6		3,923.90	2	90	43.60	128
1925	1,826.85	47,751	85	48	1.86	3.9		1,655.10	30,973	47	55	2.93	5.3		4,588.20	3	107	42.80	135
Cookstown—																			
1918	259.56	.....	42	.....	.....	.....	None	82.15	.....	12	.....	.....	.....	None	754.50	1	.....	.....	55
1919	806.46	12,488	61	17	1.10	6.5		263.18	4,069	19	18	1.15	6.4		1,335.27	1	40	33.38	81
1920	1,388.97	18,047	71	21	1.63	7.7		468.63	5,809	21	23	1.86	8.1		1,669.48	1	40	41.74	93
1921	1,797.47	20,562	76	23	1.96	8.7		705.24	8,093	23	28	2.39	8.7		1,890.50	2	41	46.10	110
1922	1,965.07	22,020	80	23	2.09	8.8		700.17	8,095	25	28	2.43	8.6		1,207.01	1	26	46.42	106
1923	2,024.44	24,999	81	25	2.09	8.1		811.29	10,679	26	34	2.60	7.5		53.20	1	.....	.....	108
1924	1,750.23	24,647	73	27	1.90	7.0		961.09	11,613	36	31	2.58	8.3		94.41	2	.....	.....	111
1925	1,476.45	21,114	66	25	1.77	7.1		1,400.34	17,955	46	36	2.84	7.9		113.70	3	.....	.....	115
Courtright—																			
1924	1,993.89	20,204	69	24	2.41	10.0		687.47	9,345	14	56	4.09	7.1		.....	.....	.....	.....	83
1925	2,054.80	22,347	61	29	2.63	9.1		1,064.08	14,538	15	84	6.11	7.3		.....	.....	.....	.....	76

*Meter rental. †Five and one-half months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Creemore—																			
1915	699.81	6,399	78	.....	.....	10.9	Flat	937.84	7,653	59	.....	.....	12.2	Flat	939.20	1	.....	.....	138
1916	922.41	9,678	78	14	1.00	7.2		1,041.90	18,745	44	15	1.72	11.9		1,151.96	2	.....	.....	132
1917	973.25	9,257	69	11	1.11	10.5		1,124.74	11,105	55	19	1.91	10.1		1,210.57	3	54	22.42	127
1918	1,070.46	10,159	88	10	1.13	10.4		1,098.57	10,328	51	16	1.72	10.6		1,357.87	3	54	25.14	142
1919	1,229.29	10,812	93	10	1.11	11.1		1,302.94	12,642	53	20	2.05	10.4		1,392.15	5	62	22.45	151
1920	1,448.31	15,168	130	10	93	9.3		1,413.24	14,558	52	23	2.26	9.7		1,516.26	6	68	22.30	188
1921	1,808.03	18,813	111	13	1.25	9.6		1,683.94	19,383	55	29	2.39	8.7		1,422.65	6	69	20.62	172
1922	1,811.54	19,254	122	14	1.30	9.4		1,506.73	17,375	59	25	2.20	8.6		1,425.85	6	65	21.94	187
1923	1,859.32	22,297	126	14	1.22	8.3		1,406.94	19,539	55	29	2.13	7.2		1,747.29	6	72	24.26	187
1924	1,561.35	30,161	131	19	1.01	5.3		1,121.28	23,162	57	34	1.67	4.9		1,730.54	7	65	26.83	195
1925	1,453.32	36,061	141	22	.89	4.0		1,175.07	20,558	58	30	1.70	5.7		1,775.33	7	69	25.73	206
Dashwood—																			
1918	432.06	3,742	31	8	.92	11.5	Flat	311.16	2,780	15	12	1.38	11.0	Flat	2,386.71	1	46	51.88	47
1919	462.51	4,539	35	11	1.10	10.2		373.22	3,054	18	14	1.73	12.2		2,052.60	3	53	38.73	55
1920	578.84	6,017	39	13	1.26	9.6		408.21	3,870	21	15	1.62	10.1		1,524.60	2	52	29.32	62
1921	662.20	7,502	43	14	1.20	8.8		484.77	3,616	22	12	1.84	13.4		1,626.21	2	54	30.11	67
1922	806.68	8,816	46	16	1.52	9.1		648.38	5,875	24	21	2.34	11.0		1,297.43	2	50	25.95	72
1923	954.89	10,333	51	16	1.56	9.2		713.16	5,941	26	19	2.28	12.0		1,384.67	2	52	26.62	79
1924	1,014.24	12,288	53	20	1.63	8.1		719.78	6,786	25	22	2.40	10.9		1,191.47	2	46	23.73	80
1925	1,061.15	13,219	54	21	1.65	7.9		722.61	7,399	23	26	2.51	9.7		1,299.98	3	51	25.49	80
Delaware—																			
1915	146.16	.....	22	.....	.....	.....	None	114.18	.....	10	.....	.....	.....	None	.....	1	.....	.....	33
1916	354.60	2,835	23	11	1.35	12.5		141.64	1,823	12	14	1.07	7.8		.....	.....	.....	.....	35
1917	260.94	2,596	24	9	91	10.1		203.25	1,947	12	14	1.21	10.5		.....	.....	.....	.....	36
1918	277.27	3,472	31	10	84	7.9		177.94	1,960	6	18	1.64	9.0		.....	.....	.....	.....	37
1919	457.11	3,799	32	10	1.19	11.0		156.00	1,781	11	16	1.18	11.0		.....	.....	.....	.....	43

1920	852.14	6,285	34	15	2.09	13.5		171.50	1,962	11	15	1.30	8.7							45
1921	822.74	10,545	42	21	1.63	7.8		505.52	3,987	12	28	3.51	12.7							54
1922	840.90	10,996	45	21	1.63	7.6		652.53	4,746	7	39	5.43	13.7							52
1923	829.73	10,940	42	21	1.64	7.5		525.39	4,713	11	35	3.98	11.1							53
1924	822.45	11,215	43	22	1.59	7.2		463.73	4,834	11	37	3.51	9.5							54
1925	779.06	10,940	43	21	1.51	7.2		506.90	5,218	12	67	3.67	9.6							55
Dorchester—																				
1915	579.23	6,840	61			8.5	None	309.88	4,806	18			6.4	None	287.95	2				81
1916	613.03	7,329	61	10	1.84	8.4		275.82	4,879	16	19	1.35	5.7		667.93	2				79
1917	768.08	10,046	70	13	98	7.6		177.25	2,583	11	17	1.14	6.9		314.48	2				83
1918	810.17	9,895	76	11	92	8.1		188.33	2,710	13	18	1.30	6.9		34.81	1				90
1919	1,043.54	11,187	84	11	1.04	9.3		281.20	2,985	14	18	1.67	9.4		47.14	2				100
1920	1,274.20	14,260	96	12	1.11	8.9		345.51	5,428	15	30	1.92	6.4		398.94	3				144
1921	1,511.61	23,328	97	20	1.28	6.5		473.05	7,610	15	42	2.63	6.3		544.88	3	37	14.73		115
1922	1,717.89	25,175	109	20	1.39	6.8		613.24	8,244	16	44	3.29	7.5		1,203.65	4	73	16.49		129
1923	1,973.07	25,720	117	19	1.40	7.6		465.45	5,879	15	32	2.58	7.9		1,450.29	4				136
1924	1,873.31	26,547	124	18	1.30	7.2		434.44	5,024	16	27	2.34	8.7		1,212.23	4	49	24.74		144
1925	1,814.25	27,260	123	18	1.23	6.6		450.43	7,070	19	31	2.00	6.4		943.96	3	54	17.48		145
Drayton—																				
1918	942.09		83				Flat	580.32		40				Flat	1,256.17	2				125
1919	1,431.29	11,060	89	11	1.34	12.9		973.35	7,450	42	15	1.93	13.1		1,542.15	1	43	35.86		132
1920	1,582.55	20,312	110	15	1.20	7.8		1,250.48	15,960	30	44	3.47	7.8		54.57	2	28	34.09		142
1921	1,925.38	25,263	106	20	1.58	7.6		1,337.86	19,850	42	40	2.68	6.7		1,223.58	2	37	33.07		150
1922	2,078.59	23,421	117	17	1.56	9.2		1,588.41	27,843	33	61	3.48	5.7		1,566.95	2	34	46.09		152
1923	2,151.10	29,251	119	21	1.50	7.2		1,530.46	27,922	42	55	3.03	5.4		1,606.06	2	45	35.69		163
1924	2,277.46	36,964	121	26	1.58	6.1		1,515.92	25,974	43	51	2.97	5.8		1,660.84	3	40	41.52		167
1925	2,486.72	37,175	136	23	1.52	6.7		1,746.35	24,010	49	41	3.00	7.2		1,782.50	4	56	31.83		189
Dresden—																				
1915	1,093.68		185					1,223.25		109										294
1916	1,995.51	26,473	197	12	87	7.5	Flat	1,986.21	30,352	106	24	1.54	6.5	Flat						303
1917	2,158.62	28,977	206	12	87	7.4		1,983.96	28,874	105	23	1.57	6.9		102.04	1	5	20.58		312
1918	2,308.18	31,560	209	12	92	7.3		2,254.48	31,305	107	24	1.77	7.2		1,198.59	2	55	21.79		318
1919	2,711.78	40,529	236	14	97	6.7		2,730.58	44,775	109	34	2.09	6.1		5,749.20	7	156	36.85		352
1920	3,165.58	49,650	244	17	1.08	6.4		2,941.56	52,213	106	41	2.31	5.6		6,765.64	8	206	32.84		358
1921	3,475.26	60,061	256	20	1.13	5.8		2,808.43	59,402	107	46	2.19	4.7		5,711.52	12	223	25.61		375
1922	3,596.86	64,325	273	20	1.13	5.5		2,925.60	66,439	113	50	2.21	4.4		4,454.51	13	188	23.69		399
1923	3,854.05	80,516	284	23	1.16	4.7		3,073.85	60,746	112	45	2.28	5.0		5,867.57	12	226	25.96		408
1924	3,742.14	101,853	304	29	1.06	3.7		2,874.70	78,135	113	58	2.12	3.7		5,103.76	13	185	27.58		430
1925	3,832.34	114,529	313	31	1.04	3.4		3,049.70	88,827	113	65	2.25	3.5		4,744.63	12	169	28.07		438

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Drumbo—																			
1915	304.49	.....	40	.....	.....	.....	None	288.99	.....	30	.....	.....	.....	None	159.85	1	.....	.....	71
1916	340.75	4,481	35	10	77	7.5		277.43	3,718	22	15	1.12	7.6		116.57	.....	.....	.....	57
1917	350.11	4,298	38	10	81	8.1		301.20	4,084	22	15	1.14	7.4		.....	.....	.....	.....	60
1918	392.90	4,592	44	9	79	8.5		299.10	3,923	22	14	1.13	7.6		43.15	1	2	21.57	76
1919	525.50	6,384	48	11	91	8.2		464.76	6,525	23	25	1.70	7.1		199.96	1	10	20.00	72
1920	722.83	7,484	53	12	1.13	9.6		674.50	8,686	24	30	2.34	7.8		109.84	1	6	18.30	78
1921	949.84	8,490	54	13	1.47	11.2		671.94	8,500	24	29	2.33	7.9		312.34	1	10	31.23	79
1922	1,097.50	13,063	76	17	1.40	8.4		717.78	9,807	21	35	2.60	7.3		380.12	1	10	38.01	98
1923	1,187.29	14,858	77	16	1.28	7.9		728.82	10,749	22	40	2.76	6.7		287.25	1	10	28.72	100
1924	1,193.10	18,596	77	20	1.29	6.5		608.83	12,835	22	48	2.30	4.8		513.64	3	20	25.68	102
1925	1,227.12	25,344	79	27	1.30	4.8		718.79	11,947	23	43	2.60	6.0		1,352.69	3	48	28.18	105
Dublin—																			
1918	126.62	.....	9	.....	.....	.....	None	257.07	.....	17	.....	.....	.....	None	959.99	2	.....	.....	28
1919	186.54	2,400	13	15	1.20	7.8		352.06	4,660	18	22	1.63	7.6		826.23	2	29	28.49	33
1920	393.82	5,312	21	21	1.56	7.4		423.54	5,249	15	28	2.35	8.4		1,095.00	3	34	32.21	39
1921	503.50	5,920	21	23	1.99	8.5		562.44	5,816	19	24	2.47	9.7		1,172.31	2	37	31.68	43
1922	574.41	7,599	20	31	2.39	7.5		664.68	6,929	22	28	2.76	9.5		1,027.27	3	32	32.10	45
1923	602.42	6,665	25	22	2.00	9.1		635.38	5,448	19	23	2.78	11.6		1,166.44	4	35	33.32	48
1924	610.96	9,552	29	29	1.89	6.5		647.68	7,637	20	37	2.70	7.3		1,136.16	4	31	36.64	53
1925	678.60	10,733	36	27	1.74	6.4		592.05	7,813	21	32	2.41	7.5		1,093.46	3	30	35.73	71
Dundalk—																			
1916	924.30	.....	88	.....	.....	.....	Flat	960.58	.....	63	.....	.....	.....	Flat	618.52	2	.....	.....	153
1917	926.52	12,065	80	12	92	7.7		872.71	12,718	76	15	1.05	6.9		876.00	4	27	.....	160
1918	942.02	14,698	91	14	91	6.1		822.35	13,053	60	16	1.01	6.3		1,672.75	4	82	21.61	155
1919	1,024.86	16,892	99	14	86	6.1		951.61	17,053	71	20	1.12	5.6		2,306.00	4	94	24.54	174
1920	1,328.45	19,775	99	17	1.12	6.7		1,284.67	21,418	75	24	1.43	6.0		2,208.80	3	85	25.99	177

1921	1,597.79	18,834	106	15	1.24	8.5		1,680.40	29,030	77	31	1.82	5.8		2,558.03	3	84	30.45	186
1922	1,869.84	22,767	115	17	1.41	8.2		1,821.35	34,348	75	37	1.99	5.3		2,328.20	3	77	30.24	193
1923	1,951.86	26,754	122	18	1.33	7.3		1,764.69	26,126	74	29	1.98	6.7		2,829.70	4	88	32.15	200
1924	1,785.30	28,736	128	19	1.19	6.3		1,620.46	30,451	76	34	1.80	5.3		2,986.40	4	95	31.44	208
1925	1,838.86	37,849	127	25	1.20	4.8		1,868.64	43,973	74	49	2.08	4.2		3,493.68	5	131	26.67	206
Durham—																			
1916	1,518.72	17,091	155	....	....	8.9	Flat	1,057.33	13,949	67	....	....	8.8	Flat	.....	....	.....	.....	222
1917	1,619.86	12,821	170	6	79	12.6		954.19	21,855	71	26	1.12	4.3		30.00	1	.....	.....	242
1918	1,812.80	20,682	183	9	85	8.7		1,067.28	16,616	82	19	1.24	6.4		782.44	1	50	15.68	266
1919	2,168.82	29,500	200	12	90	7.4		1,486.18	27,215	83	24	1.50	6.3		713.92	1	50	14.27	284
1920	3,095.24	45,075	223	17	1.15	6.7		2,182.30	37,720	86	37	2.11	5.8		2,430.41	6	116	20.95	316
1921	4,071.98	60,400	252	20	1.35	6.7		2,774.44	40,596	87	39	2.66	6.8		8,893.04	8	280	31.77	347
1922	4,480.34	63,225	273	20	1.42	7.0		3,068.96	49,900	89	47	2.90	6.1		14,269.06	8	392	36.40	370
1923	4,592.86	87,660	285	25	1.34	5.2		3,200.58	58,515	95	51	2.80	5.4		13,672.42	8	361	37.84	388
1924	4,082.53	93,840	297	27	1.17	4.3		2,988.53	61,220	92	55	2.68	4.9		11,507.62	8	397	28.98	397
1925	3,828.86	106,400	309	29	1.03	3.6		2,929.26	70,395	90	65	2.71	4.1		12,281.57	8	416	29.53	407
Dutton—																			
1915	318.85	3,970	108	....	....	8.0	Flat	206.59	2,818	43	....	....	7.3	Flat	.....	1	.....	.....	152
1916	1,353.04	17,243	112	13	1.03	7.8		960.27	13,256	52	23	1.34	7.2		135.31	1	.....	.....	165
1917	1,381.08	17,710	114	13	1.02	7.8		967.98	15,954	54	26	1.49	6.7		73.76	1	10	.....	169
1918	1,420.59	18,079	127	12	98	7.8		1,007.14	15,728	62	22	1.44	6.4		1,001.85	3	45	22.26	192
1919	1,640.83	23,705	139	14	99	6.9		1,105.10	20,094	70	24	1.32	5.5		2,539.93	3	83	30.60	212
1920	1,835.49	26,088	155	14	99	7.0		1,324.59	25,045	71	29	1.73	5.3		2,359.98	3	89	26.52	229
1921	2,035.51	38,559	159	20	1.07	5.3		1,410.52	32,815	75	40	1.57	4.0		2,483.44	3	93	26.70	237
1922	2,163.68	46,781	172	23	1.09	4.6		1,498.41	35,878	73	40	1.68	4.1		2,547.27	4	98	25.99	249
1923	2,479.83	62,503	171	30	1.20	3.9		1,705.44	44,064	72	51	1.97	3.8		3,050.53	6	111	27.48	249
1924	2,591.72	76,694	184	36	1.22	3.4		1,981.25	52,169	73	60	2.28	3.8		3,489.52	6	122	28.60	263
1925	2,485.31	83,180	188	37	1.11	3.0		2,146.85	57,926	69	68	2.52	3.7		3,417.40	6	119	28.72	263
Elmvale—																			
1913	284.34	.....	52	....	....	....	None	358.60	.....	52	....	....	....	None	.....	1	.....	.....	105
1914	673.18	6,856	57	10	1.03	9.9		896.11	15,402	48	25	1.49	5.8		438.38	2	.....	.....	107
1915	704.12	7,728	78	10	87	9.1		778.93	16,193	64	25	1.16	3.9		1,186.44	2	.....	.....	144
1916	816.74	10,562	81	11	85	7.7		736.74	18,644	62	25	97	5.0		1,043.96	3	.....	.....	146
1917	881.20	11,868	89	11	86	7.4		696.79	13,041	61	19	95	5.3		810.96	3	.....	.....	153
1918	941.28	12,895	91	11	87	7.2		873.52	16,755	57	23	1.23	5.2		3,699.00	4	159	23.26	152
1919	1,027.05	13,781	98	12	87	7.2		1,030.63	18,028	57	26	1.51	5.8		3,860.83	5	145	26.63	160
1920	1,313.94	16,383	101	13	1.08	8.0		1,120.45	22,548	63	30	1.48	4.9		3,722.19	5	149	24.98	169
1921	1,491.09	17,927	100	15	1.24	8.3		1,501.27	21,738	64	28	1.96	6.9		4,239.56	7	168	25.24	171
1922	1,628.91	22,950	109	18	1.30	7.1		1,437.30	27,523	59	37	1.96	5.2		3,796.04	10	153	24.81	178
1923	1,518.13	25,895	110	19	1.15	5.8		1,476.20	26,955	61	36	2.01	5.4		4,129.47	10	167	24.72	181
1924	1,408.71	29,050	115	21	1.04	5.0		1,104.07	29,419	56	41	1.56	3.8		4,149.08	7	147	28.22	178
1925	1,278.83	41,921	120	30	91	3.0		960.39	34,121	57	50	1.42	2.8		3,997.49	10	164	24.37	187

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Elmwood—																			
1918	282.62	.....	30	...	...	...	None	83.90	.....	15	...	...	...	None	896.32	1	.....	.....	46
1919	467.59	6,266	32	16	1.22	7.5		196.91	2,858	17	14	96	6.9		1,429.31	1	47	30.41	50
1920	592.57	7,950	33	20	1.50	7.4		351.78	5,273	19	24	1.63	6.8		1,514.17	1	46	33.00	53
1921	762.83	8,570	38	19	1.67	8.9		545.58	5,970	17	29	2.67	9.1		1,802.31	1	47	38.35	56
1922	792.14	8,528	35	20	1.83	9.2		528.92	5,710	19	26	2.44	9.2		1,345.94	1	38	35.42	55
1923	693.42	6,985	34	17	1.69	9.9		463.03	4,098	18	18	2.14	11.2		1,329.93	1	36	36.94	53
1924	643.64	9,199	41	20	1.41	7.1		495.40	6,322	17	31	2.43	7.8		1,382.42	1	36	38.10	59
1925	726.74	10,185	43	20	1.44	7.2		509.89	5,779	17	28	2.50	8.9		1,344.31	1	35	38.41	61
Elora—																			
1915	1,044.49	14,009	89	...	...	7.4	10	1,820.07	25,431	60	...	...	7.1	10	197.78	1	.....	.....	150
1916	1,253.03	20,500	105	18	1.08	6.1	+25*	1,828.25	27,945	63	38	2.48	6.5	+25*	972.12	2	.....	.....	170
1917	1,400.12	31,600	123	23	1.02	4.4		1,937.30	40,200	64	52	2.52	4.8		3,640.75	2	120	30.34	189
1918	1,537.70	28,173	134	18	99	5.4		1,765.65	34,357	59	46	2.39	5.1		5,087.10	2	162	31.40	195
1919	1,809.72	34,910	139	21	1.09	5.2		2,093.34	45,935	65	59	2.65	4.5		7,440.12	3	242	30.74	207
1920	2,256.60	49,514	186	22	1.01	4.6		2,362.02	57,754	70	69	2.81	4.1		6,997.35	3	212	33.01	259
1921	2,590.55	61,731	205	25	1.05	4.2		2,394.68	52,436	68	64	2.94	4.6		6,144.11	3	215	28.58	276
1922	3,407.43	74,104	246	27	1.26	4.6		2,902.98	69,703	70	84	3.50	4.1		8,386.26	3	264	31.77	319
1923	4,093.85	99,973	256	32	1.33	4.0		3,097.29	64,916	65	83	3.97	4.7		9,145.65	3	255	35.86	324
1924	3,871.46	116,997	265	37	1.24	3.4		2,924.40	76,055	68	94	3.64	3.9		7,123.10	3	240	29.68	336
1925	3,684.19	124,710	289	36	1.06	2.9		2,883.37	83,534	70	99	3.43	3.4		8,486.61	3	283	29.99	362
Embro—																			
1915	400.50	.....	65	...	...	...	None	489.67	.....	30	...	...	...	None	.....	...	.....	.....	95
1916	633.95	5,690	58	7	85	11.1		598.41	10,333	29	29	1.66	5.8		155.54	2	.....	.....	89
1917	664.53	5,391	60	8	94	12.3		522.37	6,322	31	18	1.45	8.2		132.76	2	.....	.....	93
1918	708.60	6,811	64	9	95	10.4		603.76	5,708	36	14	1.50	10.5		267.29	3	13	20.56	103
1919	963.98	10,443	66	13	1.22	9.2		809.77	8,631	35	20	1.93	9.4		979.29	3	34	28.80	104

1920	1,189.47	11,670	71	14	1.40	10.0		1,073.32	8,358	31	22	1.88	12.8		1,722.08	3	51	33.72	105
1921	1,512.70	13,012	73	15	1.73	11.6		1,234.16	10,559	36	24	2.86	11.0		1,930.84	3	50	38.62	112
1922	1,601.30	14,321	81	16	1.73	11.1		1,385.94	10,931	31	27	3.49	12.6		1,712.69	3	48	35.68	115
1923	1,714.85	18,844	82	19	1.74	9.1		1,264.94	13,372	33	33	3.19	9.4		1,825.88	4	65	28.25	119
1924	1,725.67	25,220	87	24	1.69	7.0		1,096.89	14,170	34	35	2.69	7.7		1,923.51	4	68	28.29	125
1925	1,954.62	39,267	89	37	1.85	5.0		1,027.61	15,028	33	37	2.55	6.9		1,793.41	4	66	27.30	126
Erieau—																			
†1924	570.58	.....	49	.....	.....	.....		35.05	.....	2	.....	.....	.....		153.88	1	.....	.....	52
1925	1,632.85	16,320	68	23	2.33	10.1		1,024.05	.....	.....	.....	.....	.....		.....	.....	.....	.....	73
Essex—																			
‡1924	9,750.25	.....	316	.....	.....	.....		7,609.52	.....	102	.....	.....	.....		6,047.57	10	.....	.....	428
1925	7,258.21	152,875	356	38	1.80	4.7		5,528.92	80,258	112	62	4.30	6.9		4,445.62	12	142	31.31	480
Etobicoke Twp.—																			
1918	16,081.39	.....	.....	.....	.....	.....	8	1,816.74	.....	.....	.....	.....	.....	8	5,027.80	.....	.....	.....	.....
1919	11,905.18	.....	864	.....	.....	.....	+25*	1,567.41	.....	60	.....	.....	.....	25*	5,010.68	13	236	21.23	937
1920	17,352.35	129,700	1,140	.....	.....	.....		1,985.92	40,600	77	.....	.....	.....		5,078.76	12	253	20.07	1,229
1921	21,326.96	441,178	1,515	24	1.17	4.8		2,734.25	56,592	83	57	2.74	4.8		5,076.25	14	295	17.21	1,612
1922	29,162.15	639,888	2,166	28	1.32	4.5		3,737.70	116,924	130	91	2.93	3.2		6,019.24	14	295	20.40	2,310
1923	46,352.59	1,092,985	2,704	33	1.42	4.2		6,445.75	157,518	176	74	3.05	4.0		6,743.04	19	358	19.11	2,899
1924	47,492.23	1,184,924	3,051	34	1.38	4.0		6,896.50	149,496	199	66	3.06	4.5		8,311.87	17	374	22.22	3,267
1925	58,371.53	1,589,178	3,031	44	1.60	3.6		11,044.71	291,711	252	108	4.08	3.8		12,090.05	21	490	24.67	3,304
Exeter—																			
1917	2,030.27	25,524	170	13	99	7.9	10	1,784.53	21,152	87	20	1.71	8.4	10	2,363.60	3	92	25.69	260
1918	2,327.79	29,434	187	14	1.10	7.9	+25*	1,803.63	21,753	84	21	1.75	8.2	+25*	4,163.70	3	140	29.74	274
1919	2,806.26	41,835	211	16	1.11	6.9		2,383.33	30,522	88	29	2.26	7.8		4,159.40	5	143	29.09	304
1920	3,402.65	50,578	234	18	1.22	6.7		2,558.70	34,103	94	30	2.27	7.5		4,398.97	7	162	27.16	335
1921	4,196.23	88,361	278	26	1.26	4.7		2,815.15	43,927	90	41	2.61	6.4		4,916.13	7	182	27.01	375
1922	5,217.29	133,719	304	38	1.49	3.9		3,069.92	48,291	92	44	2.81	6.3		5,270.23	8	187	28.18	404
1923	6,182.73	177,624	326	45	1.58	3.5		3,081.61	54,157	97	46	2.64	5.6		5,720.97	8	199	28.75	431
1924	6,249.74	230,565	358	56	1.52	2.7		2,906.20	63,430	101	53	2.45	4.6		6,418.95	9	204	31.47	468
1925	6,246.82	255,498	374	58	1.42	2.5		3,019.59	599.10	106	48	2.43	5.1		6,948.11	10	230	30.21	490

*Meter rental. †Four months. ‡Fourteen months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Fergus—																			
1915	1,314.03	19,328	114	....	....	6.8	10	2,367.91	37,844	91	....	....	6.3	10	882.24	7	.....	.....	212
1916	1,621.27	24,275	149	16	1.03	6.7	+25*	2,111.16	34,953	92	32	2.00	6.0	+25*	2,819.21	7	.....	.....	248
1917	1,822.14	29,351	177	15	93	6.2		2,028.47	37,127	93	33	1.82	5.5		1,959.57	8	67	29.25	278
1918	2,086.39	42,774	198	19	92	4.8		2,099.60	44,824	87	41	1.94	4.6		3,332.50	10	125	26.66	295
1919	2,629.72	47,157	212	19	1.03	5.5		2,699.88	60,017	86	58	2.68	4.5		3,573.66	10	153	23.36	308
1920	3,030.75	58,538	291	17	87	5.2		2,775.01	51,512	96	45	2.41	5.4		3,552.57	12	152	23.17	399
1921	4,072.20	70,683	310	19	1.10	5.7		3,873.68	74,448	100	62	3.23	5.2		4,191.93	15	224	18.71	425
1922	6,037.68	143,806	342	36	1.54	4.2		4,011.60	82,405	103	67	3.30	4.8		5,555.43	15	261	21.29	460
1923	6,020.54	186,237	380	32	1.32	3.2		3,902.24	90,164	96	78	3.38	4.3		6,190.06	13	293	21.12	489
1924	5,889.68	226,891	412	47	1.24	2.6		2,977.59	78,882	87	71	2.70	3.8		6,669.21	17	289	23.08	515
1925	5,805.04	234,934	437	44	1.11	2.5		3,130.18	106,810	105	85	2.48	3.0		7,268.28	17	293	24.80	559
Flesherton—																			
1916	568.76	.....	73	....	....	....	None	423.83	.....	30	....	....	....	None	.....	.....	.....	....	103
1917	621.93	8,364	70	9	74	7.4		387.92	7,545	31	20	1.04	5.1	..	.....	.....	.....	.....	101
1918	593.44	8,116	52	11	81	9.3		426.20	6,647	28	18	1.20	6.4		160.58	1	17	.....	81
1919	725.42	.....	70	....	....	....		437.61	.....	37	....	....	....		970.27	2	55	17.63	109
1920	1,152.24	.....	85	....	1.13	....		763.00	.....	39	....	1.62	....		701.76	1	37	18.97	125
1921	1,585.13	17,321	85	17	1.55	9.1		1,278.80	17,987	37	40	2.88	6.5		446.07	1	25	17.84	123
1922	1,791.37	20,064	88	19	1.71	9.1		1,466.00	22,344	39	49	3.21	6.5		425.76	1	25	17.03	128
1923	1,654.95	19,503	91	17	1.53	9.0		1,145.06	21,890	41	45	2.39	5.3		424.53	1	25	16.98	133
1924	1,802.57	26,949	99	24	1.58	6.6		1,195.51	23,636	30	55	2.77	5.0		233.46	1	25	9.34	130
1925	1,951.96	25,607	109	21	1.56	7.4		1,303.14	29,216	31	80	3.56	4.5		233.32	1	25	9.33	141
Forest—																			
1917	.....	.....	260	....	....	....	10	.....	.....	104	....	....	....	10	.....	6	.....	.....	370
1918	2,890.91	28,976	268	9	90	9.9		1,899.09	16,504	100	13	1.55	1.5		4,048.14	8	113	35.82	376
1919	3,307.14	33,720	281	10	97	9.8		2,187.74	22,253	116	16	1.57	9.8		4,076.79	14	118	35.40	411

1920	4,406.18	41,264	311	12	1.16	9.8		2,696.04	25,704	102	21	2.20	10.5		4,310.29	14	124	34.76	427
1921	5,366.42	54,057	337	13	1.33	9.9		3,348.69	37,018	106	30	2.63	9.0		4,195.47	15	124	33.83	458
1922	5,784.92	71,850	375	17	1.35	8.0		3,550.92	46,906	102	37	2.83	7.0		4,677.37	20	135	34.65	497
1923	5,991.76	84,858	391	18	1.27	7.0		3,584.25	56,397	104	45	2.87	6.5		3,455.66	22	123	28.09	517
1924	6,317.65	102,311	400	22	1.33	6.0		3,299.32	57,537	109	45	2.57	5.7		4,708.45	22	155	30.37	531
1925	6,922.65	137,842	427	28	1.40	5.0		3,654.41	73,908	121	53	2.65	5.0		4,869.82	22	155	31.41	570
Georgetown—																				
1913	661.49	.....	160	.....	.....	.....	10	842.87	.....	50	.....	.....	.....	10	234.32	5	.....	.....	285
1914	3,069.02	42,328	242	17	1.27	7.2	+10*	2,362.33	29,544	75	39	3.15	8.0	+10*	2,976.61	17	.....	.....	334
1915	2,999.83	43,392	294	14	93	6.9		2,276.41	35,318	97	34	2.20	6.5		8,734.01	16	.....	.....	407
1916	3,174.63	56,191	306	16	88	5.6		2,101.00	53,129	99	45	1.79	4.0		10,726.24	21	.....	.....	426
1917	3,370.42	66,131	319	18	90	5.1		2,291.61	51,373	90	45	2.03	4.5		12,714.94	22	454	28.45	431
1918	3,830.25	80,314	330	20	98	4.7		2,345.75	52,361	84	50	2.24	4.5		13,184.53	24	475	27.75	438
1919	3,797.66	102,486	380	23	84	3.7		2,428.41	79,906	103	65	1.97	3.0		12,754.41	28	552	23.11	511
1920	4,599.82	118,109	373	26	1.03	3.9		3,276.91	99,553	94	88	2.90	3.3		15,701.12	28	639	24.57	495
1921	5,043.90	160,795	419	32	1.00	3.1		2,964.37	94,999	100	80	2.47	3.1		13,546.94	29	659	20.56	548
1922	6,423.03	227,174	565	39	1.09	2.8		3,400.50	122,264	126	90	2.51	2.7		17,400.06	31	643	27.06	713
1923	8,346.96	288,103	559	42	1.24	2.8		3,404.54	128,367	91	117	3.11	2.6		20,304.47	27	734	27.70	657
1924	9,097.52	324,357	553	49	1.36	2.8		3,941.28	146,399	104	124	3.35	2.7		17,742.40	26	710	24.95	683
1925	8,910.09	378,108	586	55	1.27	2.3		4,206.68	148,481	117	106	3.00	2.9		15,179.61	25	727	20.88	642
Glencoe—																				
1920	630.50	.....	124	.....	.....	.....	8	675.34	.....	56	.....	.....	.....	10	130.68	2	.....	.....	182
1921	2,927.75	32,362	143	19	1.71	9.0		2,724.24	23,674	62	32	3.66	11.5		2,110.44	3	46	45.88	208
1922	3,281.92	39,906	172	21	1.74	8.4		2,688.42	34,343	65	45	3.56	7.8		2,219.92	4	51	43.53	241
1923	3,704.11	33,480	186	15	1.68	11.0		2,609.05	24,940	69	30	3.15	10.4		2,214.33	6	65	34.07	261
1924	3,033.99	34,740	193	15	1.33	8.9		2,165.83	21,750	90	23	2.26	9.8		3,606.15	7	115	31.35	290
1925	3,422.05	49,490	215	19	1.32	6.9		2,069.09	22,911	65	30	2.65	9.0		3,982.52	5	109	36.54	285
Grand Valley—																				
1917	714.68	7,474	50	11	1.08	9.6	10	964.59	10,065	54	10	1.50	9.6	10	.....	1	.....	.....	110
1918	848.56	10,089	58	14	1.25	8.4	+25*	967.98	11,113	48	18	1.58	8.7	+25*	1,581.78	2	38	41.62	108
1919	1,110.28	14,172	69	15	1.34	8.8		987.20	11,582	48	20	1.55	7.8		1,582.91	1	48	32.97	117
1920	1,725.49	19,477	87	19	1.65	8.8		1,484.90	16,388	50	27	2.47	9.1		1,631.54	1	48	33.99	138
1921	2,202.44	23,149	98	20	1.87	9.5		2,157.32	17,781	53	28	3.40	12.1		1,869.20	2	53	35.27	153
1922	2,493.03	24,664	103	19	2.49	10.1		2,262.67	19,655	53	31	3.56	11.5		1,786.85	2	58	30.80	158
1923	2,599.23	30,883	114	23	1.90	8.4		2,322.94	21,125	52	33	3.72	10.9		2,042.86	2	58	35.22	168
1924	2,385.65	37,311	120	26	1.70	6.5		1,998.82	23,071	54	36	3.14	8.7		2,316.55	3	67	34.58	177
1925	2,459.37	46,732	122	32	1.69	5.3		2,088.23	26,665	58	39	3.11	7.9		3,252.62	2	79	41.17	182

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Granton—																			
1917	484.69	5,782	42	12	96	8.4	None	176.93	1,774	16	....	....	10.0	None	333.85	1	.....	.....	59
1918	552.01	5,580	48	10	1.02	9.8		203.06	1,690	18	8	99	12.0		1,396.61	1	47	29.71	67
1919	661.90	7,000	51	11	1.08	9.4		265.43	1,750	21	7	1.05	15.2		1,321.67	1	41	32.23	73
1920	886.41	11,590	57	18	1.49	7.9		407.45	5,355	21	21	1.60	7.6		1,562.80	2	45	34.73	80
1921	1,085.25	15,898	63	21	1.44	6.8		508.75	6,265	22	24	1.93	8.1		1,747.17	2	42	41.60	87
1922	1,184.71	18,110	63	24	1.57	6.5		532.53	6,159	23	22	1.93	8.6		1,637.41	2	42	38.99	88
1923	1,170.46	23,657	63	31	1.54	4.9		519.99	7,326	24	25	1.80	7.0		1,851.57	2	44	42.08	89
1924	1,179.58	26,800	72	33	1.46	4.4		525.30	8,500	24	30	1.74	5.8		1,706.48	1	43	39.69	97
1925	1,272.27	38,877	75	44	1.47	3.3		557.69	11,068	26	37	1.86	5.0		1,672.37	1	42	39.82	102
Gravenhurst—																			
1917	2,350.79	39,025	251	13	78	6.0	Flat	4,412.55	171,716	69	207	5.33	2.6	Flat	4,892.05	9	292	16.76	329
1918	1,995.82	37,930	264	12	64	5.2		4,624.55	141,329	59	184	5.89	3.2		4,786.06	8	352	13.59	331
1919	2,326.25	51,625	269	16	72	4.5		4,901.04	196,134	74	221	5.52	2.5		4,991.09	10	313	15.94	353
1920	2,832.40	59,160	290	17	81	4.8		4,762.31	200,418	80	217	5.15	2.3		6,576.74	12	306	21.48	382
1921	4,219.34	69,942	294	20	1.20	6.0		6,239.31	214,246	75	238	6.93	2.9		5,528.86	12	213	25.96	381
1922	5,284.76	83,449	338	22	1.39	6.3		3,445.13	88,109	78	95	3.73	3.9		8,246.95	11	302	27.31	427
1923	5,748.58	116,601	343	28	1.39	4.9		3,967.40	141,469	88	133	3.65	3.5		9,809.11	11	354	27.70	442
1924	5,344.18	132,689	351	32	1.28	4.0		4,355.42	171,939	63	190	4.81	2.5		10,199.36	12	336	30.36	426
1925	5,790.47	174,413	366	41	1.35	3.3		4,240.57	179,497	60	243	5.74	2.4		9,402.85	13	340	27.65	439
Hagersville—																			
1913	81.92	.....	3	....	....	....	None	†	.....	24	....	....	....	None	746.85	3	.....	.....	30
1914	1,222.23	16,053	70	....	....	5.4		†	6,446	60	....	....	5.4		2,679.08	3	.....	.....	133
1915	1,172.85	23,213	114	21	1.06	5.1		1,592.59	22,676	73	28	1.99	5.2		4,434.62	3	.....	.....	190
1916	1,606.80	30,025	127	21	1.11	5.4		1,343.82	27,840	69	32	1.58	4.8		2,527.92	4	.....	.....	200
1917	1,602.64	29,611	138	19	1.01	5.4		1,252.04	34,696	68	42	1.54	3.6		2,289.37	4	88	26.02	210
1918	1,624.89	32,496	140	19	97	5.0		1,299.96	42,757	68	52	1.59	3.0		2,632.30	3	98	26.86	311

1919	1,808.19	42,127	148	24	1.02	4.3		1,400.40	49,344	78	53	1.50	2.8		6,863.75	6	242	28.40	232
1920	2,132.34	58,634	170	29	1.04	3.6		1,611.37	60,494	75	67	1.79	2.7		9,129.99	10	308	29.64	255
1921	2,340.28	69,826	179	32	1.09	3.3		1,928.84	85,482	83	86	1.94	2.2		12,919.71	10	446	29.87	272
1922	2,630.39	80,478	203	35	1.15	3.2		2,631.95	103,369	88	100	2.55	2.5		14,602.84	12	542	26.94	303
1923	2,917.04	99,920	225	37	1.08	3.0		2,637.05	116,154	86	127	2.89	2.3		16,144.66	12	560	28.87	323
1924	3,079.32	113,833	230	11	1.12	2.7		2,728.18	127,557	89	121	2.58	2.1		20,923.64	12	876	24.13	331
1925	3,292.98	138,375	242	49	1.16	2.4		3,065.58	118,090	87	112	2.90	2.6		21,481.31	12	834	25.77	341
Harriston—																			
1917	1,550.49	18,184	132	12	98	8.6	10	1,935.38	21,868	68	27	2.37	8.8	10	2,686.93	6	78	34.45	206
1918	1,774.96	21,205	148	12	1.05	8.3		1,277.37	21,281	67	26	1.57	6.0		2,663.69	5	85	31.33	220
1919	2,063.50	28,480	175	14	1.04	7.4		1,828.60	5,227	76	28	2.01	7.2		4,394.24	10	136	32.31	261
1920	2,809.01	40,199	202	17	1.16	7.0		2,377.90	35,117	78	37	2.54	6.8		9,709.58	9	240	40.46	289
1921	3,412.75	51,821	221	19	1.29	6.6		2,498.35	46,413	78	50	2.67	5.4		8,326.78	7	239	34.84	306
1922	3,517.32	57,614	232	21	1.29	6.1		2,504.69	37,531	79	40	2.64	6.7		7,309.26	9	204	35.83	320
1923	3,762.07	70,916	245	24	1.27	5.3		2,633.19	54,860	88	51	2.49	4.7		7,257.36	9	202	35.92	342
1924	3,944.02	86,456	265	28	1.29	4.6		2,869.88	61,379	85	59	2.78	4.7		7,968.13	10	216	36.89	360
1925	4,416.16	109,344	266	34	1.40	4.0		3,542.79	64,484	90	60	3.28	5.5		6,606.66	11	192	34.40	367
Harrow—																			
‡1924	4,267.96	.....	145	.....	.....	.....		3,542.79	.....	55	.....	.....	.....		3,426.58	8	.....	.....	208
1925	3,415.89	73,894	170	39	1.81	4.6		2,873.60	38,835	63	55	4.06	7.4		2,960.75	9	.....	.....	242
Havelock—																			
1922	4,476.92	65,021	262	21	1.42	6.9		1,429.97	16,779	62	24	1.92	8.5		136.43	1	10	27.29	325
1923	4,870.76	68,772	266	21	1.52	7.0		1,548.84	20,887	62	28	2.06	7.4		451.55	1	20	22.57	329
1924	4,754.16	64,660	261	20	1.50	7.5		1,282.03	20,186	51	30	1.89	6.3		2,033.48	2	78	26.07	314
1925	5,188.92	96,286	280	30	1.60	5.3		1,520.80	24,021	53	39	2.44	6.3		5,644.13	3	173	32.62	336
Hensall—																			
1917	1,038.57	10,872	89	11	1.06	9.6	20	610.79	7,046	36	18	1.54	8.7	12	81.39	2	.....	.....	127
1918	1,226.25	11,323	105	9	96	10.8	+20*	661.21	5,792	40	12	1.45	11.4	+20*	1,779.36	5	57	30.34	150
1919	1,602.39	19,924	116	14	1.07	8.0		886.86	10,657	43	21	1.72	8.3		2,703.95	6	127	21.29	165
1920	1,864.17	23,805	120	16	1.29	7.8		1,083.69	11,877	43	23	2.10	9.1		1,776.05	6	115	15.44	169
1921	2,099.20	25,997	121	18	1.45	8.1		1,391.61	14,850	44	28	2.64	9.4		1,096.52	6	70	15.66	171
1922	2,369.38	27,429	137	18	1.53	8.6		1,439.11	23,680	45	44	2.66	6.1		1,220.45	10	81	15.07	192
1923	2,591.25	36,592	141	21	1.53	7.0		1,507.49	15,318	54	23	2.32	9.8		1,611.38	11	97	16.62	205
1924	3,033.50	47,420	149	27	1.74	6.4		1,489.20	17,873	42	31	2.59	8.4		2,833.37	12	119	23.81	203
1925	3,107.26	56,166	144	32	1.77	5.5		1,467.72	19,485	48	36	2.72	7.6		3,012.16	10	103	29.24	202

*Meter rental. †Domestic and commercial light revenue not separated. ‡Fourteen months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Highgate—																			
1917	416.49	4,447	41	9	85	9.4	None	467.76	4,373	21	17	1.86	10.7	None	.....	1	.....	.....	63
1918	456.79	5,342	45	10	88	8.5		502.27	4,880	25	17	1.81	10.2		2,556.33	3	76	33.63	73
1919	618.65	6,410	51	11	1.01	9.2		598.12	7,224	29	21	1.72	8.3		2,071.70	3	79	26.22	83
1920	861.91	9,042	59	14	1.22	8.7		738.31	8,264	30	23	2.05	8.9		1,675.67	6	70	23.94	95
1921	1,065.47	11,736	61	16	1.46	9.1		879.30	12,613	31	34	2.36	7.0		1,318.16	6	39	33.80	98
1922	1,092.54	13,118	69	17	1.40	8.3		925.94	12,151	32	32	2.45	7.6		1,606.09	5	70	22.94	106
1923	1,185.36	15,703	82	15	1.20	7.5		930.54	13,785	32	35	2.42	6.7		2,032.28	5	65	31.26	119
1924	1,236.81	19,960	84	20	1.24	6.2		915.45	17,200	34	43	2.31	5.4		1,710.31	5	56	30.54	123
1925	1,290.10	24,098	85	24	1.27	5.3		1,111.89	25,680	33	64	2.76	4.3		2,269.23	5	59	40.15	123
Holstein—																			
1917	238.48	2,366	26	8	86	10.1	None	209.74	2,672	15	15	1.17	7.9	None	.....	.....	.....	.....	41
1918	256.54	1,957	27	6	80	13.1		263.55	2,505	16	13	1.41	10.5		.....	.....	.....	.....	43
1919	308.37	2,899	28	9	92	10.6		288.57	2,055	16	10	1.51	14.4		752.37	1	27	27.87	47
1920	459.38	5,368	29	16	1.32	8.5		405.80	2,883	18	13	1.88	14.1		109.47	1	7	15.63	48
1921	510.16	3,864	27	12	1.57	13.2		472.86	2,940	18	14	2.19	15.6		215.76	1	7	30.82	46
1922	653.43	3,318	32	10	1.81	18.1		610.58	3,773	20	16	2.54	15.9		172.68	1	7	24.67	53
1923	686.19	4,489	33	11	1.73	15.2		672.39	5,067	21	20	2.66	13.2		154.63	1	7	22.09	55
1924	687.38	5,444	37	13	1.64	12.6		590.92	3,883	23	15	2.24	14.9		208.57	1	7	27.81	61
1925	700.07	5,912	40	12	1.46	11.8		743.08	7,270	22	27	2.81	10.2		199.99	1	7	20.00	63
Humberstone—																			
†1924	585.09	.....	.....	.....	.....	.....		359.97	.....	.....	.....	.....	.....		155.47	.....	.....	.....	.....
1925	4,116.98	167,376	293	47	1.17	2.4		2,305.96	65,876	71	77	2.70	3.5		1,091.47	3	53	20.59	367
Jarvis—																			
‡1924	728.35	.....	51	.....	.....	.....		837.73	.....	31	.....	.....	.....		3,003.12	3	.....	.....	85
1925	1,294.05	18,266	58	28	1.98	7.1		1,416.89	17,522	33	46	3.69	8.0		5,261.63	3	132	39.86	94

Kemptville—																				
1922	5,087.81	78,365	206	32	2.06	6.5		5,787.86	49,112	77	53	6.26	11.8		1,764.22	4	59	29.90	287
1923	5,646.92	83,084	224	30	2.10	6.7		6,175.07	92,936	70	111	7.35	6.6		2,516.99	6	75	33.55	300
1924	4,400.39	67,687	229	25	1.62	6.5		5,048.09	99,606	68	120	6.10	5.1		3,676.29	6	130	28.28	303
1925	4,203.73	100,876	241	36	1.49	4.2		4,671.38	146,463	69	178	5.68	3.2		3,532.97	6	129	27.38	316
Kirkfield—																				
1920	78.91	.....	20	.....	.....	.....	None	320.95	.....	5	.....	.....	.....	None	.....	1	.....	.....	26
1921	318.70	4,046	21	16	1.26	7.9		705.46	11,494	16	60	3.67	6.1		.....	.....	.....	.....	37
1922	490.95	5,970	22	23	1.88	8.3		891.31	15,590	15	84	4.79	5.7		560.90	1	20	28.05	38
1923	450.84	4,343	22	16	1.70	10.4		925.77	11,428	17	56	4.53	8.1		514.85	1	20	25.74	40
1924	451.45	4,574	23	16	1.27	8.0		920.92	11,820	18	55	4.26	7.7		439.81	1	22	19.72	42
1925	500.30	8,666	24	31	1.77	5.7		517.55	10,953	22	46	2.16	4.7		480.41	1	20	24.02	47
Lakefield—																				
1920	571.45	.....	130	.....	.....	.....	Flat	336.69	.....	62	.....	.....	.....	Flat	1,328.30	4	.....	.....	195
1921	2,003.69	29,135	170	14	98	6.9		2,342.58	.....	56	.....	.....	.....		3,134.24	6	100	31.34	232
1922	2,765.70	42,999	183	20	1.30	6.4		2,694.98	40,417	66	55	3.68	6.6		1,992.23	2	59	33.76	251
1923	4,371.89	63,848	198	26	1.84	6.8		3,170.08	51,482	71	60	3.72	6.1		2,603.43	4	79	32.95	273
1924	3,964.22	65,889	214	27	1.60	5.9		3,349.58	44,803	71	52	3.93	7.4		2,172.03	3	65	33.42	288
1925	4,661.36	88,323	216	34	1.81	5.3		4,015.35	49,616	66	60	4.88	8.1		1,094.40	3	49	22.43	285
Lambeth—																				
1915	344.47	2,991	49	.....	.....	11.5	None	119.00	1,042	9	.....	.....	11.4	None	559.82	1	.....	.....	59
1916	575.65	6,880	54	11	91	8.4		208.96	.....	13	.....	1.58	8.3		249.36	1	.....	.....	68
1917	721.51	7,655	65	11	1.04	9.4		252.56	2,577	13	16	1.62	9.8		182.50	1	.....	.....	79
1918	833.23	9,978	63	13	1.08	8.3		208.28	1,976	11	13	1.44	10.5		392.22	1	5	.....	75
1919	935.30	10,761	75	12	1.04	8.7		289.64	2,701	16	14	1.51	10.7		309.87	2	35	.....	93
1920	1,242.88	14,627	72	18	1.55	8.5		339.28	3,179	14	19	2.02	10.7		312.00	2	12	26.00	88
1921	1,616.48	18,667	86	18	1.57	8.6		414.56	4,341	22	16	1.57	9.5		395.58	2	35	....	110
1922	1,931.32	28,023	103	25	1.69	6.9		525.13	5,298	22	20	1.99	9.9		326.27	2	20	16.31	127
1923	2,521.75	.....	.....	.....	.....	.....		613.91	.....	.....	.....	.....	.....		345.37	.....	.....	.....	.....
1924	2,629.81	63,306	109	48	2.01	4.2		603.59	9,178	16	48	3.14	6.5		331.53	2	.....	.....	127
1925	2,507.09	68,985	109	53	1.92	3.6		800.58	14,754	19	70	3.81	5.4		306.74	2	37	....	132
Lanark—																				
1922	1,735.71	17,837	81	17	1.78	9.7		1,547.66	10,391	27	32	4.78	14.9		109.71	2	6	18.29	110
1923	1,966.24	20,936	82	21	1.98	9.3		1,190.69	8,486	29	34	3.42	14.1		138.13	2	8	17.26	113
1924	1,805.02	16,636	82	17	1.83	10.8		1,201.76	7,117	27	21	3.58	17.0		114.49	2	8	14.31	111
1925	1,877.01	26,803	91	26	1.81	7.0		1,204.55	11,448	33	32	3.35	10.5		117.67	2	8	14.71	126

†Two months. ‡Nine months.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Numbers of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Lancaster—																			
1922	1,230.64	11,182	54	17	1.90	11.0		971.84	7,316	23	26	3.52	13.3		.....	....	.....	.....	77
1923	1,557.48	14,156	70	16	1.85	11.0		951.36	6,984	22	26	3.60	13.6		78.34	1	.....	.....	93
1924	1,721.60	16,759	67	20	2.11	10.5		1,201.36	10,755	27	36	4.00	11.1		71.20	1	2	33.90	95
1925	1,979.99	21,749	75	26	2.32	8.9		1,235.31	9,422	26	30	3.88	12.9		.....	....	.....	.....	101
London Twp.—																			
1924	6,520.43	.....	226	....	....	....		748.14	.....	6	....	....	....		258.11	1	.....	.....	233
1925	6,599.34	180,746	240	65	2.36	3.6		748.87	12,451	4	208	12.48	6.0		101.91	2	3	33.97	246
Louth Twp.—																			
1918	.....	.....	24	....	....	....	None	.....	.....	.....	....	....	....	None	.....	.....	.....	.....	24
1919	.....	.....	30	....	....	....		.....	.....	.....	....	....	....		.....	.....	.....	.....	30
1920	.....	.....	46	....	....	....		.....	.....	.....	....	....	....		.....	.....	.....	.....	46
1921	.....	.....	51	....	....	....		.....	.....	.....	....	....	....		.....	.....	.....	.....	51
1922	808.76	.....	.....	....	....	....		.....	.....	.....	....	....	....		.....	.....	.....	.....	.....
1923	941.17	.....	.....	....	....	....		.....	.....	.....	....	....	....		.....	.....	.....	.....	.....
1924	888.15	.....	56	....	....	....		.....	.....	.....	....	....	....		.....	.....	.....	.....	56
1925	2,008.35	.....	59	....	....	....		.....	.....	.....	....	....	....		.....	.....	.....	.....	59
Lucan—																			
1915	824.07	.....	87	....	....	....	None	687.37	.....	39	....	....	....	None	18.66	3	.....	.....	129
1916	1,124.73	12,047	98	11	1.00	9.3		857.11	8,370	42	17	1.78	10.2		159.67	7	.....	.....	147
1917	1,283.01	16,701	103	14	1.07	7.7		870.97	7,243	39	15	1.82	12.0		2,756.92	10	90	30.63	142
1918	1,309.20	15,264	109	12	1.03	8.5		885.28	11,739	38	25	1.91	7.5		5,650.56	8	133	32.48	155
1919	1,566.54	26,105	115	19	1.14	6.0		921.25	14,136	39	97	1.97	6.5		5,706.69	9	140	41.19	163
1920	1,854.20	43,863	127	29	1.22	4.2		885.18	17,248	41	35	1.80	5.1		6,602.32	10	208	31.74	178
1921	2,343.88	69,421	135	43	1.45	3.4		1,025.25	21,191	40	44	2.14	4.8		7,368.90	10	213	34.59	185
1922	2,737.74	71,976	150	42	1.59	3.8		1,081.12	16,774	38	36	2.31	6.4		5,829.91	9	168	34.70	197

1923	3,414.42	82,475	153	44	1.85	4.1		1,062.78	16,865	39	36	2.27	6.3		2,687.51	7	87	30.89	199
1924	3,122.94	102,646	155	55	1.69	3.1		997.64	20,575	39	44	2.14	4.9		2,344.64	7	84	27.91	201
1925	2,974.33	113,232	163	59	1.56	2.6		1,032.73	22,330	37	49	2.26	4.6		2,756.72	7	91	30.29	207
Lucknow—																			
1922	2,679.21	26,031	137	16	1.63	10.2		2,527.54	20,145	66	25	3.19	12.5		2,025.62	1	50	40.51	204
1923	3,135.27	32,900	155	17	1.68	9.5		2,605.21	16,610	69	20	3.14	15.6		1,878.04	2	56	33.53	226
1924	3,539.73	44,557	172	23	1.81	7.9		2,831.76	31,160	70	37	3.37	9.1		2,193.75	2	60	36.77	244
1925	4,253.13	55,753	191	26	1.95	7.5		3,146.35	39,408	74	45	3.64	8.1		2,894.24	2	73	39.65	267
Lynden—																			
1916	254.76	3,500	24	....	....	7.3	None	227.57	4,430	10	....	....	5.1	None	650.38	1	.....	.....	35
1917	272.49	3,498	24	....	....	7.7		213.11	3,576	11	....	....	5.9		2,912.96	1	84	34.68	36
1918	304.17	4,971	25	17	1.35	6.1		231.50	5,914	11	44	1.75	3.9		2,770.26	1	76	36.45	37
1919	444.75	7,533	47	13	79	5.9		347.65	9,897	16	52	1.81	3.5		3,291.51	1	85	38.27	64
1920	897.94	13,400	51	22	1.47	6.7		435.63	10,185	16	53	2.27	4.3		3,408.62	1	86	39.63	68
1921	1,191.73	17,888	57	26	1.74	6.6		478.11	10,462	18	48	2.21	4.6		3,583.76	1	87	41.19	76
1922	1,343.50	24,227	66	32	1.78	5.7		450.15	9,288	15	48	2.37	4.9		3,310.64	1	99	33.44	82
1923	1,449.09	25,334	72	29	1.67	5.7		422.70	9,867	18	45	1.95	4.2		4,051.65	1	112	36.17	91
1924	1,392.88	31,668	72	36	1.61	4.5		496.05	11,752	18	54	2.30	4.2		4,282.78	1	102	41.98	91
1925	1,292.74	34,619	70	41	1.52	3.7		589.93	13,919	19	63	2.66	4.2		4,723.38	1	113	41.87	90
Markdale—																			
1917	1,241.47	.....	106	....	....	....	10	1,105.58	.....	68	....	....	....	10	718.89	3	.....	.....	177
1918	1,672.90	.....	108	....	....	....		862.43	.....	66	....	....	....		697.58	5	51	.....	179
1919	1,611.23	28,763	124	19	1.08	5.6		937.23	24,481	64	32	1.22	3.8		1,140.94	2	.....	.....	190
1920	2,054.17	29,830	114	19	1.28	6.7		1,321.06	26,180	69	32	1.65	5.0		1,513.24	8	94	16.09	191
1921	2,496.08	48,407	158	26	1.32	5.1		1,050.66	25,982	66	33	1.96	6.0		1,414.47	9	92	15.37	233
1922	2,623.46	48,276	149	27	1.47	5.5		1,695.41	30,600	75	34	2.02	6.0		1,172.56	10	88	13.32	234
1923	2,516.70	54,613	153	29	1.37	4.6		1,872.20	42,302	72	48	2.16	4.4		928.68	9	64	14.51	234
1924	2,584.59	60,239	157	32	1.39	4.3		1,591.52	37,168	71	44	1.87	4.2		1,365.48	9	80	17.07	237
1925	2,231.03	62,755	159	33	1.18	3.6		1,849.62	47,513	71	55	2.17	3.9		1,335.28	9	86	15.53	239
Markham—																			
1920	1,735.33	.....	130	....	....	....	10	790.25	.....	33	....	....	....	10	577.79	4	35	.....	167
1921	3,263.60	27,616	169	14	1.61	11.8	+25*	1,303.84	9,248	42	19	2.59	14.1	+25*	2,588.67	6	45	57.53	247
1922	3,116.38	38,147	189	12	1.45	8.2		1,325.79	11,837	45	23	2.57	11.2		2,555.90	6	68	37.59	240
1923	3,487.96	44,059	194	18	1.49	7.9		1,236.62	15,302	49	26	2.10	8.1		2,937.14	5	72	40.79	248
1924	3,515.80	58,464	212	24	1.44	6.0		1,631.67	20,896	48	36	2.82	7.8		2,848.09	6	70	40.69	266
1925	3,807.82	73,155	220	28	1.47	5.3		1,593.25	25,465	48	44	2.77	6.3		2,559.35	8	71	35.74	276

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Marmora—																			
1922	2,150.59	19,097	110	14	1.63	11.2		1,609.85	12,939	43	25	3.12	12.4		159.42	3	8	19.93	156
1923	2,026.81	24,060	146	14	1.16	8.4		1,294.90	15,191	43	29	2.50	8.5		260.08	4	15	17.33	193
1924	2,116.86	28,061	131	17	1.27	7.5		1,268.52	18,400	44	35	2.43	7.0		216.93	4	15	14.46	179
1925	2,428.74	36,493	140	22	1.49	6.8		1,446.32	18,403	42	36	2.80	7.8		199.60	3	15	13.31	185
Martintown—																			
1922	514.19	6,150	25	21	1.71	8.3		452.72	4,293	11	33	3.43	10.5		.....	.....	.....	.....	36
1923	571.65	6,480	24	22	1.98	8.8		433.07	3,869	12	26	3.00	11.1		.....	.....	.....	.....	36
1924	687.35	6,596	28	21	2.20	10.5		538.33	4,292	13	28	3.45	12.3		.....	.....	.....	.....	41
1925	715.28	7,612	28	24	2.13	8.9		557.37	4,390	13	28	3.57	12.7		.....	.....	.....	.....	41
Maxville—																			
1922	2,003.68	21,472	86	21	1.94	9.3		2,079.24	20,860	58	30	2.99	9.9		507.53	2	41	12.38	146
1923	2,140.40	20,550	104	16	1.71	10.4		2,222.09	24,906	47	44	3.93	8.7		855.46	4	33	25.92	155
1924	2,480.65	23,184	112	10	1.91	10.6		2,115.84	26,113	43	48	3.92	8.2		1,278.82	2	34	37.61	157
1925	2,718.12	30,318	117	22	1.98	9.0		2,144.54	21,396	44	41	4.11	10.0		333.32	2	6	52.08	163
Merlin—																			
1926	1,846.42	25,143	86	24	1.79	7.5		1,178.25	14,503	30	40	3.27	8.2		4,301.85	3	87	49.44	119
1925	1,949.79	30,140	87	29	1.88	6.5		1,239.45	20,974	33	55	3.28	6.0		4,316.26	3	100	43.03	123
Milton—																			
1913	1,149.28	.....	110	.....	.....	.....	10	1,212.26	.....	74	.....	.....	.....	10	6,462.38	5	.....	.....	189
1914	1,961.22	25,649	150	19	1.51	7.6		2,226.80	41,015	79	44	2.43	5.4		11,325.61	6	.....	.....	235
1915	1,981.80	28,900	170	15	1.03	6.8		1,900.98	41,520	80	44	2.00	4.6		5,364.29	7	.....	.....	257
1916	2,219.28	36,573	197	16	1.01	6.3		1,892.21	44,445	84	45	1.93	4.3		10,428.79	6	.....	.....	287
1917	2,528.88	50,695	174	24	1.11	5.0		1,803.00	34,859	70	44	2.21	5.4		7,968.76	6	309	25.79	250
1918	2,852.66	64,485	227	27	1.18	4.4		1,759.69	35,451	73	41	2.05	4.9		6,497.73	7	333	19.51	307
1919	3,908.62	149,879	276	45	1.18	2.6		2,041.31	42,493	76	47	2.22	4.8		11,109.72	12	434	25.60	364

1920	4,099.80	105,398	289	30	1.16	3.9		2,365.05	60,519	76	66	2.60	3.9		15,142.22	13	733	20.66	378
1921	4,502.81	126,039	315	33	1.19	3.6		2,531.11	61,661	82	58	2.41	4.1		16,596.71	20	702	23.64	417
1922	5,164.20	136,814	314	36	1.37	3.8		2,487.17	62,907	79	66	2.59	3.9		19,667.48	18	939	20.95	411
1923	6,580.38	152,287	338	37	1.62	4.3		2,824.73	87,655	87	84	2.70	3.3		24,467.36	23	1,059	23.10	448
1924	7,524.78	187,893	384	43	1.74	4.0		4,132.06	143,553	88	137	3.94	2.9		27,868.66	24	1,159	24.13	496
1925	8,523.77	340,488	407	72	1.80	2.5		4,673.28	154,611	89	145	4.40	3.0		30,350.12	22	1,042	29.13	518
Milverton—																			
1917	785.01	11,116	65	14	1.01	7.1	None	1,200.09	17,892	59	25	1.69	6.7	None	2,899.56	4	80	36.24	128
1918	1,007.75	14,464	75	17	1.19	6.9		1,403.46	22,579	65	30	1.88	6.2		7,533.28	5	207	36.39	145
1919	1,230.28	21,554	104	17	17	5.7		1,442.81	29,216	66	38	1.82	4.9		8,897.49	5	267	33.32	175
1920	1,677.24	31,406	131	20	1.07	5.3		1,494.72	36,991	63	49	1.97	4.0		8,687.03	6	272	31.93	200
1921	2,085.42	38,280	152	21	1.14	5.4		1,688.69	46,230	64	60	2.20	3.6		8,207.82	5	280	29.31	221
1922	2,453.16	56,370	182	22	1.22	4.3		1,886.98	47,000	62	62	2.50	4.0		10,109.97	6	306	33.04	250
1923	3,005.94	66,610	177	31	1.41	4.5		2,332.29	59,850	69	72	2.82	3.9		10,006.69	6	305	32.80	252
1924	3,106.96	90,660	190	41	1.41	3.4		2,394.26	50,380	60	64	3.07	4.8		13,416.50	7	358	37.47	357
1925	3,220.64	98,780	191	43	1.40	3.2		2,111.96	46,175	68	56	2.59	4.5		11,778.14	8	384	30.67	267
Mitchell—																			
1912	2,964.48	.....	159	....	....	....	Flat	2,977.08	.....	79	....	....	....	Flat	4,597.03	13	.....	.....	251
1913	2,362.52	.....	170	....	....	....		2,813.92	.....	85	....	....	....		6,160.03	16	.....	.....	270
1914	2,470.29	.....	191	....	....	....		2,712.55	.....	100	....	....	....		3,944.91	16	.....	.....	307
1915	2,379.58	.....	190	....	....	....		2,684.01	.....	95	....	....	....		2,333.08	17	.....	.....	292
1916	2,311.80	33,789	218	14	95	6.8		2,677.35	39,211	105	33	2.25	6.8		3,231.56	21	.....	.....	342
1917	2,572.51	41,022	212	16	1.01	6.3		2,774.59	49,323	104	39	2.22	5.6		4,169.05	27	167	24.96	338
1918	2,730.62	46,956	217	18	1.06	5.8		2,994.34	51,294	102	41	2.38	5.7		4,834.06	22	190	25.44	341
1919	2,816.95	41,556	266	13	88	6.8		3,136.32	51,396	105	41	2.49	6.1		4,869.61	21	196	24.84	392
1920	4,183.47	89,601	298	25	1.17	4.7		3,588.97	77,765	106	61	2.82	4.6		5,798.65	21	224	25.89	425
1921	4,660.66	101,018	330	24	1.18	4.6		3,101.46	72,737	104	58	2.49	4.3		5,542.41	21	228	24.31	455
1922	5,355.08	163,706	362	39	1.29	3.3		3,337.99	81,244	104	65	2.67	4.1		5,701.36	21	232	24.57	487
1923	6,298.13	206,004	375	45	1.39	3.0		3,512.16	95,684	104	76	2.81	3.6		6,338.28	24	247	25.86	503
1924	6,988.37	240,543	393	52	1.52	2.9		3,372.66	98,397	106	78	2.67	3.4		6,933.81	25	268	25.87	523
1925	7,325.74	254,990	409	52	1.49	2.8		3,699.08	110,645	105	87	2.93	3.3		7,621.52	25	286	26.60	539
Moorefield—																			
1918	175.36	.....	16	....	....	....	None	217.24	.....	15	....	....	....	None	888.57	1	.....	.....	32
1919	341.45	3,507	21	14	1.35	9.7		342.50	2,870	15	16	1.90	11.9		1,292.62	2	40	32.32	38
1920	498.92	5,304	26	17	1.60	9.5		431.99	4,080	17	20	2.12	10.6		1,262.83	2	38	32.33	45
1921	637.19	7,101	26	23	2.04	9.0		540.33	5,310	20	22	2.25	10.2		1,285.41	2	35	36.73	48
1922	712.43	7,465	31	21	2.05	9.5		575.24	5,773	19	25	2.51	10.0		1,368.96	2	38	36.03	52
1923	806.16	9,098	35	21	1.91	8.8		622.67	6,680	17	32	3.10	9.4		1,502.15	2	39	38.51	54
1924	837.08	10,262	44	21	1.74	8.3		683.24	8,162	17	40	3.35	8.4		1,549.91	2	42	36.90	63
1925	994.74	12,876	45	24	1.84	7.7		686.71	7,671	16	40	3.58	8.9		1,536.65	2	45	34.15	63

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Mt. Brydges—																			
1915	333.43	.....	45	....	.....	.....	None	494.02	.....	15	....	....	....	None	517.50	1	.....	.....	61
1916	644.75	5,058	55	8	1.07	12.7		170.46	3,106	15	17	95	5.5		760.58	2	.....	.....	72
1917	540.17	6,481	58	9	81	8.3		344.16	3,481	20	17	1.69	9.9		627.07	2	27	23.22	80
1918	601.52	7,323	67	9	80	8.2		312.44	3,396	17	15	1.40	9.1		750.69	1	25	30.02	85
1919	811.17	8,900	64	12	1.06	8.9		324.11	3,051	22	12	1.23	10.6		822.74	1	26	31.64	87
1920	1,130.15	13,440	84	13	1.04	8.4		434.78	2,736	19	12	1.91	15.8		707.73	1	23	30.77	104
1921	1,398.23	12,266	77	13	1.51	11.4		457.24	4,446	20	19	1.91	10.3		836.68	1	18	46.48	91
1922	1,398.02	17,208	89	17	1.40	8.1		540.62	5,800	24	22	2.05	9.3		737.60	1	18	40.98	114
1923	1,610.92	23,240	96	20	1.39	6.9		591.31	7,169	26	23	1.89	8.2		889.39	1	21	42.35	123
1924	1,645.47	31,735	100	28	1.40	5.0		537.95	7,140	25	24	1.79	7.5		935.82	2	24	39.00	127
1925	1,731.51	38,369	107	31	1.39	4.5		536.55	8,222	25	27	1.79	6.6		960.96	2	24	40.04	134
Mt. Forest—																			
1916	1,967.03	27,337	106	....	....	7.2	10	2,420.75	39,059	164	....	....	6.2	10	1,739.79	7	.....	.....	277
1917	2,171.91	40,286	176	23	1.28	5.4		2,556.41	37,914	107	30	1.99	6.7		2,533.40	4	136	19.63	287
1918	2,171.73	32,336	187	14	99	6.7		2,419.72	42,176	107	32	1.88	5.7		3,132.19	4	147	21.30	298
1919	2,596.70	43,495	196	19	1.10	6.0		2,809.05	59,310	117	42	2.00	4.7		3,561.63	5	152	23.43	318
1920	2,959.09	48,732	205	20	1.20	6.0		3,625.36	62,877	127	41	2.38	5.8		4,182.42	9	207	20.20	344
1921	4,050.74	66,539	239	23	1.41	6.1		5,279.82	76,899	128	50	3.44	6.9		5,219.42	10	203	25.71	377
1922	4,683.40	74,673	260	25	1.56	6.2		5,965.31	86,502	130	56	3.85	6.9		4,996.49	7	202	24.74	397
1823	4,894.10	87,860	274	20	1.48	5.5		5,472.11	77,866	133	48	3.42	7.0		3,518.14	5	186	18.91	412
1924	4,418.91	104,525	310	30	1.26	4.2		4,680.69	116,304	132	73	2.96	4.1		4,919.83	6	191	25.79	448
1925	4,992.57	170,597	326	45	1.31	2.9		4,992.76	117,651	135	73	3.11	4.2		5,099.85	10	197	25.83	471
Neustadt—																			
1919	419.91	5,586	45	10	78	7.8	12.5	475.59	7,332	24	25	1.65	6.6	12.5	389.93	2	16	24.37	71
1920	813.48	14,425	51	24	1.33	5.6		526.21	8,047	26	26	1.69	6.5		2,656.17	4	88	30.18	81
1921	1,159.34	15,187	55	23	1.76	7.6		737.42	6,222	29	18	2.12	11.8		3,214.94	4	92	34.95	88

1922	1,683.22	.....		61	....	....	....		982.18	.....		30	....	....	....		7,690.74	4	.....	.....	95
1923	1,388.03	.....		68	....	....	....		1,099.61	.....		29	....	....	....		5,923.43	5	137	43.23	102
1924	1,542.94	17,591		67	22	1.92	8.7		1,040.23	9,854		30	27	2.89	10.7		5,667.84	5	129	44.11	102
1925	1,688.21	21,700		77	25	1.95	7.8		1,160.38	11,500		29	32	3.28	10.2		4,320.93	5	107	40.31	111
Newbury—																					
1922	683.98	9,946		43	19	1.34	6.9		543.61	4,973		20	21	2.26	10.9		778.83	1	25	31.15	64
1923	751.02	8,493		44	16	1.42	8.9		529.29	4,478		23	16	1.91	11.8		899.48	1	27	31.31	68
1924	728.47	9,042		48	16	1.32	8.2		583.12	6,169		23	22	2.11	9.6		920.14	1	26	35.29	72
1925	782.53	11,413		50	19	1.33	7.0		543.00	6,012		23	22	1.97	9.0		709.85	1	25	28.39	74
New Hamburg—																					
1912	1,195.08	.....		124	....	....	....	10	1,423.35	.....		63	....	....	....	10	3,369.05	5	.....	.....	194
1913	1,589.21	.....		142	....	....	....		1,890.72	.....		63	....	....	....		5,792.20	8	.....	.....	212
1914	1,779.90	23,010		170	12	89	7.7		1,403.56	19,404		68	25	1.78	7.2		5,209.51	6	.....	.....	243
1915	1,888.04	33,913		187	16	88	4.9		1,273.38	23,041		70	27	1.54	5.5		2,825.57	4	.....	.....	261
1916	1,816.44	37,109		196	16	79	5.5		1,211.25	26,492		70	32	1.39	4.6		1,646.90	4	.....	.....	270
1917	2,052.95	40,407		184	18	93	5.1		1,481.03	34,156		69	41	1.79	4.3		4,299.65	9	188	22.87	262
1918	2,331.00	45,778		192	20	1.03	5.0		1,410.88	40,225		67	49	1.73	3.5		4,784.71	9	220	21.74	268
1919	2,597.55	46,124		208	19	1.04	5.5		1,540.57	40,137		64	52	2.01	3.8		5,517.79	10	244	22.61	282
1920	2,987.68	77,692		222	27	1.12	4.1		1,615.92	37,812		66	48	2.04	4.3		5,613.62	12	240	23.39	300
1921	3,570.31	99,781		231	36	1.29	3.6		1,751.04	44,237		63	59	2.32	4.0		5,253.46	11	259	20.28	305
1922	4,033.81	121,551		222	45	1.49	3.3		2,040.13	53,832		78	64	2.43	3.8		6,732.68	13	279	24.13	313
1923	4,799.76	163,995		268	50	1.49	2.9		2,265.63	50,391		71	59	2.66	4.4		8,565.03	14	309	27.71	353
1924	4,806.71	189,180		291	56	1.43	2.6		2,325.57	80,281		77	90	2.62	2.9		10,101.95	14	354	28.53	382
1925	4,733.43	225,592		295	64	1.40	2.9		2,532.56	69,209		75	77	2.81	3.6		10,476.89	12	351	29.85	382
Niagara-on-the-Lake—																					
1919	.....	.....		274	....	....	....		.....	.....		58	....	....	....		.....	5	.....	.....	337
1920	5,544.75	.....		275	....	1.68	....		2,796.38	.....		69	....	3.38	....		1,301.68	5	78	16.69	349
1921	5,847.10	.....		306	....	1.60	....		3,291.89	.....		74	....	3.71	....		2,544.90	6	12	21.21	386
1922	5,769.68	156,879		319	42	1.54	3.7		2,777.10	71,474		77	79	3.09	3.7		2,467.05	7	99	24.92	403
1923	5,842.89	190,306		333	47	1.46	3.0		2,505.01	72,382		79	77	2.74	3.5		2,389.42	7	102	23.42	419
1924	5,712.98	202,418		360	48	1.37	2.9		2,387.66	74,075		78	79	2.55	3.2		2,510.56	9	103	24.38	447
1925	6,587.95	282,736		365	64	1.51	2.4		2,516.83	87,342		72	97	2.80	2.9		2,282.49	9	84	27.01	446
Nipigon—																					
1925	1,339.13	18,516		72	21	1.55	7.4		1,412.74	17,673		29	51	4.06	8.0		.....	....	.....	.....	101

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Norwich—																			
1912	862.17	.....	128	.....	.....	.....	10	674.48	.....	64	.....	.....	.....	10	263.93	2	.....	.....	194
1913	1,926.78	28,172	166	15	1.09	6.8	+25*	1,162.98	17,917	76	20	1.38	6.5	+25*	1,978.55	3	.....	.....	245
1914	2,168.13	35,578	198	16	99	6.2		995.16	20,690	84	22	1.04	6.4		1,893.72	3	.....	.....	258
1915	2,529.91	37,082	228	16	99	6.2		1,075.79	25,880	80	26	1.09	4.2		2,169.31	5	.....	.....	313
1916	2,319.58	48,858	254	18	84	4.7		1,168.34	24,909	87	25	1.16	4.7		2,642.97	6	.....	.....	327
1917	2,672.38	55,968	244	19	89	4.7		1,198.97	24,854	82	25	1.19	4.8		4,116.38	10	137	30.05	448
1918	3,042.12	87,510	242	30	1.06	3.4		1,064.13	23,559	78	24	1.11	4.5		2,481.63	8	87	28.52	328
1919	3,529.64	101,324	280	30	1.05	3.5		1,566.15	34,149	76	37	1.55	4.5		2,370.22	8	97	24.44	364
1920	4,136.42	118,478	291	34	1.18	3.5		1,915.42	42,434	84	42	1.90	4.5		2,902.47	10	111	26.15	385
1921	4,824.49	155,413	305	42	1.32	3.2		2,235.71	48,524	85	48	2.20	4.6		3,022.99	7	118	25.62	397
1922	5,209.87	161,790	330	43	1.37	3.2		2,436.17	55,865	92	53	2.31	4.4		2,426.59	8	113	21.47	430
1923	5,986.24	176,237	338	43	1.47	3.3		2,756.49	67,221	92	60	2.49	4.1		3,067.52	8	125	24.54	438
1924	5,346.88	222,094	339	55	1.32	2.4		2,739.80	68,404	89	63	2.51	4.0		3,803.89	8	116	32.79	436
1925	9,341.34	287,178	341	70	2.29	3.2		2,710.48	92,619	86	88	2.58	2.9		3,064.17	9	117	26.18	436
Norwood—																			
1922	2,413.40	36,746	161	19	1.25	6.6		1,627.72	22,199	66	28	2.06	7.3		744.35	4	42	17.72	231
1923	2,871.65	39,980	178	19	1.34	7.1		1,774.20	24,038	70	29	2.11	7.3		1,496.49	3	59	25.35	251
1924	3,028.79	53,015	187	24	1.38	5.7		1,689.45	23,139	70	28	2.01	7.2		1,229.52	2	47	26.16	259
1925	3,312.17	58,490	190	26	1.46	5.6		1,855.24	21,644	64	27	2.31	8.6		1,348.63	3	57	23.78	257
Oil Springs—																			
1918	87.68	.....	18	.....	.....	.....	None	73.85	.....	7	.....	.....	.....	None	2,240.03	2	.....	.....	27
1919	214.44	.....	20	.....	.....	.....		173.97	.....	10	.....	.....	.....		4,151.58	3	.....	.....	33
1920	366.49	.....	20	.....	.....	.....		319.75	.....	12	.....	.....	.....		5,684.03	6	.....	.....	38
1921	701.04	10,587	42	21	1.39	6.6		503.46	6,975	17	34	2.40	7.2		6,970.28	33	177	39.38	92
1922	795.54	12,624	48	23	1.47	6.3		527.91	7,023	21	31	2.32	7.5		12,387.37	35	285	43.46	104
1923	972.72	14,564	49	25	1.65	6.7		644.31	9,540	25	32	2.15	6.7		12,635.26	35	.....	.....	109

1924	947.40	20,970	65	31	1.39	4.5		731.22	11,505	29	35	2.25	6.4		11,511.05	38	300	38.37	132
1925	1,088.30	26,473	59	35	1.46	4.2		825.32	12,819	29	37	2.37	6.4		10,857.22	36	312	34.80	124
Omemee—																				
1918	480.37	.....	58	...	...	...	Flat	419.07	.....	23	...	...	...	Flat	54.78	3	...	...	84
1919	733.28	10,387	70	12	87	7.0		623.24	9,530	29	24	1.79	7.5		670.27	5	39	17.19	104
1920	999.89	15,708	83	17	1.08	6.4		681.07	10,000	24	32	2.18	6.8		248.29	5	13	19.10	112
1921	1,213.80	22,000	84	22	1.20	5.5		781.01	12,000	30	37	2.29	6.2		2,081.00	6	133	15.65	120
1922	1,543.01	22,778	92	22	1.46	6.8		846.54	13,548	31	38	2.35	6.2		4,269.89	7	147	29.25	130
1923	1,734.41	24,800	106	20	1.36	6.9		882.26	13,500	30	37	2.45	6.5		4,702.80	7	160	29.39	143
1924	1,773.36	36,544	110	28	1.37	4.9		836.43	15,649	33	41	2.21	5.4		3,680.41	7	158	23.29	150
1925	1,863.51	37,491	123	27	1.33	4.9		943.41	21,402	36	52	2.28	4.4		3,792.70	7	134	28.30	166
Otterville—																				
1917	537.88	.....	42	...	...	...	None	290.37	.....	23	...	...	...	None	47.44	1	...	...	66
1918	615.32	7,715	47	14	1.15	7.9		272.50	3,665	22	13	1.01	7.4		912.00	1	22	41.45	71
1919	861.40	11,200	62	10	1.16	7.7		440.31	5,350	15	13	1.93	8.4		982.80	4	26	37.80	81
1920	1,156.08	14,783	70	18	1.38	7.8		648.41	7,818	20	33	2.70	8.3		1,770.64	4	43	41.18	94
1921	1,421.89	10,120	84	15	1.41	9.4		760.43	7,774	17	34	3.34	9.8		1,401.36	4	43	32.59	105
1922	1,446.48	15,950	85	16	1.42	9.1		717.09	7,600	20	35	3.32	9.4		1,388.67	4	43	32.29	109
1923	1,529.99	32,240	98	29	1.30	4.3		718.74	13,680	19	60	3.15	5.2		1,429.60	4	43	33.24	121
1924	1,505.25	45,200	92	40	1.32	3.3		744.13	17,160	26	62	2.70	4.4		1,368.58	4	43	31.83	122
1925	1,680.73	41,400	115	33	1.35	4.1		751.09	13,400	26	43	2.41	5.6		1,517.18	4	43	35.28	145
Paisley—																				
1924	3,170.43	22,914	128	15	2.06	13.7		2,223.77	18,052	40	38	4.63	12.2		740.64	2	18	40.47	170
1925	3,513.09	41,036	136	26	2.22	8.5		2,069.57	18,198	41	37	4.26	11.5		1,165.02	2	32	36.41	179
Palmerston—																				
1916	6,102.25	.....	151	...	...	...	Flat	282.57	.....	63	...	...	...	Flat	.....	1	...	...	215
1917	2,506.76	32,672	171	16	1.22	7.7		2,780.86	51,029	71	60	3.26	5.5		1,225.68	2	57	21.50	244
1918	2,063.63	33,104	177	11	1.22	7.7		2,729.69	50,847	69	60	3.24	5.3		1,401.26	2	57	24.58	248
1919	3,253.16	52,780	213	21	1.27	6.2		3,344.29	54,590	75	61	3.72	6.1		2,161.21	4	85	25.43	292
1920	4,283.77	102,555	234	36	1.53	4.2		4,036.64	90,508	75	101	4.00	4.5		3,235.10	5	128	25.27	314
1921	5,035.03	124,636	255	41	1.62	4.0		4,736.84	95,314	80	99	4.93	5.0		4,581.69	6	171	26.79	341
1922	5,419.45	159,164	277	50	1.70	3.4		4,110.84	93,623	80	98	4.28	4.4		5,679.92	6	165	34.42	363
1923	5,671.62	214,614	315	56	1.50	2.6		3,681.80	116,053	80	133	3.83	3.2		6,432.56	7	194	33.67	402
1924	5,407.81	239,785	316	63	1.43	2.3		3,408.02	114,353	77	121	3.62	3.0		6,851.86	8	212	32.32	400
1925	5,611.40	300,735	341	76	1.42	1.9		3,205.82	125,336	88	126	3.24	2.6		6,097.37	9	229	26.62	438

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Park Hill—																			
1920	1,570.39	.....	120	....	....	....	10	1,106.09	.....	58	....	....	....	10	110.15	1	10	.....	179
1921	3,049.70	29,648	146	17	1.74	10.3	+25*	2,243.54	17,506	58	24	3.22	12.8	+25*	1,186.35	3	29	40.91	207
1922	3,443.03	36,461	152	20	1.92	9.4		1,974.60	16,919	63	23	2.74	11.1		1,157.39	4	41	28.23	219
1923	3,437.57	47,386	165	23	1.73	7.2		2,028.44	22,551	63	30	2.68	8.9		2,027.21	4	73	27.77	232
1904	3,187.40	59,390	191	28	1.49	5.3		1,872.92	25,884	62	35	2.52	7.2		1,648.57	3	48	34.34	256
1925	3,225.69	63,147	199	27	1.38	5.1		1,878.55	39,371	61	53	2.54	4.8		1,448.69	3	48	30.18	263
Plattsville—																			
1915	551.39	6,061	56	....	....	9.1	None	477.71	5,091	20	....	....	9.4	None	1,128.27	4	.....	.....	80
1916	666.30	7,422	60	11	96	9.0		580.62	5,900	22	14	1.35	9.8		1,436.62	3	.....	.....	85
1917	670.35	7,220	60	10	93	9.3		583.58	6,714	22	25	2.21	8.7		768.37	2	37	20.77	84
1918	699.99	9,011	60	11	97	8.7		636.88	8,489	23	31	2.35	7.5		1,596.81	2	60	26.00	85
1919	795.79	8,967	62	12	1.07	8.9		826.27	15,051	27	46	2.40	5.2		3,053.72	2	65	46.98	91
1920	969.31	11,294	65	14	1.24	8.6		873.81	14,655	26	47	2.80	6.0		3,155.32	3	92	34.30	94
1921	1,066.62	14,362	77	15	1.15	7.4		706.15	10,570	20	44	2.94	6.7		302.26	2	15	20.15	99
1922	1,283.04	17,448	75	19	1.41	7.3		790.79	16,773	28	58	2.35	4.7		222.29	2	15	14.82	105
1923	1,585.59	23,008	78	25	1.70	6.8		915.67	11,027	28	33	2.72	8.3		330.98	2	15	22.06	108
1924	1,707.29	24,023	80	25	1.80	7.2		875.11	10,097	28	30	2.60	8.6		682.26	3	22	31.01	111
1925	1,770.47	24,926	82	25	1.80	7.1		869.53	11,140	28	43	2.60	7.8		582.07	3	20	29.10	113
Point Edward—																			
1923	3,348.43	124,855	222	47	1.25	2.6		1,332.94	34,762	34	85	3.26	3.8		4,906.53	10	195	25.16	266
1924	3,705.98	136,447	250	48	1.31	2.7		1,286.84	30,840	39	70	2.90	4.1		9,367.70	10	315	29.74	299
1925	4,832.84	172,462	261	56	1.57	2.8		2,285.49	38,095	43	77	4.64	6.0		18,408.18	11	599	30.73	315
Port Credit—																			
1913	1,963.22	.....	93	....	....	....	None	†	.....	21	....	....	....	None	848.59	2	.....	.....	116
1914	2,461.42	41,862	125	....	....	6.0		†	.....	35	....	....	6.0		308.88	2	.....	.....	162
1915	1,975.29	36,484	141	23	1.24	5.4		587.11	17,934	33	44	1.18	3.3		236.47	3	.....	.....	177

1916	1,781.49	44,251	145	26	1.04	4.0		464.02	13,800	33	35	1.17	3.3		257.40	3	.....	.....	181
1917	1,822.36	42,378	162	23	98	4.3		452.84	12,833	33	33	1.14	3.5		246.63	3	23	.....	198
1918	2,107.78	58,600	164	29	1.07	3.5		509.82	15,875	33	40	1.28	3.2		203.48	3	23	.....	200
1919	2,459.05	78,097	182	36	1.13	3.1		669.12	16,213	39	35	1.43	4.1		245.57	3	23	.....	224
1920	3,173.10	96,791	199	40	1.33	3.3		1,164.86	46,568	44	81	2.21	2.7		406.02	3	33	12.30	246
1921	3,878.10	130,797	221	49	1.46	3.0		1,479.06	48,529	42	93	2.77	3.0		1,536.81	6	64	24.01	269
1922	4,220.61	169,972	241	61	1.52	2.5		1,786.91	75,859	46	145	3.38	2.3		1,525.24	6	67	22.76	293
1923	5,294.45	255,936	270	78	1.62	2.0		1,781.95	79,280	55	136	2.69	2.2		1,343.47	8	55	24.24	333
1924	5,385.95	283,006	302	82	1.57	1.9		2,126.92	104,455	62	147	3.00	2.0		1,949.95	7	84	23.21	370
1925	6,853.24	419,895	308	115	1.87	1.6		2,405.02	120,751	68	155	3.08	1.9		2,338.76	5	88	26.61	381
Port Dalhousie—																				
1913	3,742.54	.....	238	.....	.....	.....	Flat	†	.....	†	.....	.....	.....	Flat	347.28	3	.....	.....	241
1914	3,656.01	.....	240	.....	.....	.....		†	.....	10	.....	.....	.....		429.54	3	.....	.....	253
1915	3,608.70	.....	250	.....	.....	.....		.....	.....	10	.....	.....	.....		252.12	2	.....	.....	262
1916	2,868.05	.....	330	.....	.....	.....		782.99	.....	23	.....	.....	.....		339.12	8	.....	.....	370
1917	3,249.37	.....	330	.....	.....	.....		881.01	.....	32	.....	.....	.....		321.67	8	.....	.....	370
1918	3,224.98	.....	366	.....	.....	.....		799.78	.....	29	.....	.....	.....		615.76	10	53	11.62	405
1919	3,620.82	.....	338	.....	.....	.....		1,155.84	.....	32	.....	.....	.....		948.66	10	84	11.29	380
1920	4,055.23	92,034	360	23	96	4.5		1,059.28	23,916	34	60	2.67	4.4		1,234.39	9	85	14.50	403
1921	5,134.11	98,418	373	22	1.15	5.2		1,018.97	22,915	28	68	3.03	4.4		1,054.38	7	71	14.85	408
1922	6,376.33	108,840	411	23	1.36	5.8		1,162.77	31,175	33	86	3.23	3.7		1,758.66	8	128	13.74	452
1923	7,401.61	135,738	516	21	1.19	5.4		1,851.11	36,165	29	104	5.35	5.1		2,318.60	10	119	19.48	555
1924	9,897.31	305,192	582	46	1.51	3.3		1,553.27	44,060	30	122	4.31	3.5		2,654.96	12	139	19.10	624
1925	9,320.62	300,732	559	44	1.36	3.1		1,738.32	48,388	30	134	4.83	3.6		3,493.95	13	142	24.23	602
Port Dover—																				
1922	2,069.83	29,380	156	16	1.11	7.0		2,075.46	24,403	77	26	2.25	8.5		261.85	3	11	23.80	236
1923	3,590.29	54,876	208	21	1.43	6.5		2,551.59	38,976	88	37	2.42	6.5		938.66	4	21	44.69	300
1924	4,539.61	77,081	238	29	1.70	5.9		2,740.98	52,009	96	47	2.48	5.3		1,377.59	2	45	30.61	335
1925	4,632.78	91,277	271	28	1.42	5.0		3,408.23	58,879	103	47	2.76	5.8		2,852.35	8	96	29.71	382
Port McNicoll—																				
1915	415.03	6,037	60	.....	.....	6.8	None	311.20	6,542	26	.....	1.07	4.7	None	.....	.....	.....	.....	86
1916	618.82	9,450	66	12	82	6.5		301.92	4,738	21	17	.....	6.4		7.37	1	.....	.....	88
1917	829.39	.....	78	.....	.....	.....		381.25	.....	21	.....	.....	.....		77.41	1	.....	.....	100
1918	878.50	15,481	82	16	91	5.6		427.47	7,639	19	31	1.78	5.5		28.09	1	3	.....	102
1919	1,201.52	18,536	100	15	1.00	6.5		528.68	8,890	22	34	2.00	5.9		51.13	1	.....	.....	123
1920	1,514.24	22,640	103	18	1.22	6.7		566.00	9,560	22	36	2.14	5.9		87.40	1	2	43.70	126
1921	1,879.68	30,108	106	24	1.48	6.2		692.07	13,992	26	42	2.22	4.9		109.77	1	3	36.59	133
1922	2,024.69	30,862	109	24	1.58	6.5		964.67	14,820	30	46	2.87	6.3		98.90	1	2	49.45	140
1923	1,796.16	31,930	112	23	1.31	5.5		1,095.31	16,238	33	41	2.77	6.7		80.81	1	3	26.94	146
1924	1,989.67	39,711	120	28	1.43	5.1		744.38	15,252	30	40	1.94	4.9		71.55	1	2	35.77	151
1925	2,130.51	60,545	128	41	1.43	3.5		481.63	15,406	22	49	1.54	3.1		.....	.....	.....	.....	150

*Meter rental. †Domestic and commercial light not separated.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality	Year	Domestic service							Commercial light service							Power service				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Port Perry—																				
	1922	860.24	.....	192	....	.....	....		509.11	.....	54	....	.....	....		.....	1	.....	.....	247
	1923	5,722.85	.....	.....	.....	.....	....		3,270.27	.....	.....	.....	.....	....		735.45	....	21	35.02	.....
	1924	5,149.08	55,879	217	21	1.98	9.4		2,584.67	17,746	68	22	3.17	14.4		2,040.93	8	60	34.01	293
	1925	5,444.17	72,452	237	26	2.00	7.7		2,420.22	21,825	65	27	3.03	11.2		2,314.42	8	89	26.00	310
Port Stanley—																				
	1912	897.02	.....	122	....	.....	....	Flat	1,106.63	.....	40	....	.....	....	Flat	1,314.70	3	.....	.....	165
	1913	1,828.06	.....	182	....	.....	....		1,771.70	.....	60	....	.....	....		2,418.00	9	.....	.....	251
	1914	2,066.41	.....	229	....	.....	....		1,753.60	.....	72	....	.....	....		2,170.83	12	.....	.....	313
	1915	2,498.57	.....	274	....	.....	....		1,736.42	.....	73	....	.....	....		2,064.76	9	.....	.....	356
	1916	2,956.97	.....	308	....	.....	....		1,551.37	.....	72	....	.....	....		1,985.92	11	.....	.....	391
	1917	3,386.56	.....	323	....	.....	....		1,714.56	.....	57	....	.....	....		3,174.23	6	.....	.....	396
	1918	3,736.63	59,736	140	21	1.34	6.2		1,734.62	21,927	67	27	2.15	7.9		2,738.60	16	80	34.23	223
	1919	4,433.44	.....	388	....	95	....		1,973.57	26,922	75	30	2.20	7.3		2,996.19	17	77	38.91	480
	1920	5,003.83	.....	439	....	95	....		1,696.00	38,808	89	36	1.59	4.4		5,324.27	20	161	33.07	548
	1921	6,558.51	367,909	481	64	1.14	....		1,608.99	72,080	111	54	1.21	....		5,344.03	19	174	30.71	611
	1922	7,306.84	.....	508	....	.....	....		1,881.49	.....	67	....	.....	....		5,720.55	12	190	30.11	587
	1923	7,460.33	.....	518	....	1.21	....		2,110.89	.....	60	....	2.94	....		3,933.41	14	144	27.31	592
	1924	7,608.09	.....	534	....	.....	....		2,057.60	.....	57	....	.....	....		4,793.26	12	144	33.28	603
	1925	7,755.39	.....	542	....	.....	....		1,971.94	.....	59	....	.....	....		4,808.04	12	168	28.65	613
Priceville—																				
	1922	356.45	.....	18	....	.....	....		180.10	.....	8	....	.....	....		.....	....	.....	.....	26
	1923	416.54	.....	.....	.....	.....	....		195.03	.....	.....	.....	.....	....		.....	....	.....	.....	.....
	1924	492.97	5,191	25	17	1.64	9.6		234.55	2,718	9	25	2.17	8.7		.....	....	.....	.....	34
	1925	554.28	6,043	29	19	1.71	9.0		258.76	2,338	8	23	2.54	11.0		.....	....	.....	.....	37

Princeton—																					
1915	440.42	.....	30	....	....	....	None	81.57	.....	15	....	....	....	None	.....	....	.....	.....	45
1916	657.80	7,739	44	17	1.48	8.5		127.81	1,278	11	8	83	10.6		192.92	....	.....	.....	55
1917	789.51	8,412	46	16	1.46	9.4		178.43	1,290	12	9	1.24	....		.....	....	.....	.....	58
1918	657.45	6,960	47	12	1.17	9.4		181.19	2,367	12	16	1.25	7.6		.....	....	.....	.....	59
1919	845.12	.....	48	....	1.47	....		229.56	.....	12	....	1.60	....		.....	....	.....	.....	60
1920	1,104.05	.....	64	....	1.45	....		339.38	.....	13	....	2.17	....		.....	....	.....	.....	77
1921	1,223.37	12,036	55	18	1.85	10.2		393.41	3,570	10	30	3.28	11.0		.....	....	.....	.....	65
1922	1,527.18	.....	55	....	....	....		469.37	.....	12	....	....	....		.....	....	.....	.....	67
1923	1,751.92	.....	55	....	2.65	....		425.60	.....	12	....	2.95			.....	....	.....	.....	67
1924	2,093.16	30,039	82	36	2.05	5.7		272.61	4,948	13	32	1.75	5.5		445.96	1	10	44.60	96
1925	1,796.80	29,978	83	30	1.80	6.0		436.83	3,709	11	28	3.31	11.7		391.98	1	10	39.20	95
Queenston—																					
1922	996.25	31,563	55	48	1.51	3.1		159.43	2,143	7	26	1.83	7.4		591.09	2	24	24.63	57
1923	1,443.69	52,085	64	67	1.87	2.7		154.90	2,674	3	87	4.33	6.2		579.52	1	24	24.14	68
1924	1,662.87	77,514	68	98	2.10	2.1		131.05	2,308	4	55	3.12	5.7		675.01	1	23	29.35	73
1925	1,806.36	84,493	65	106	2.26	2.1		118.30	3,516	4	73	2.46	3.4		657.27	1	22	29.21	70
Ridgetown—																					
1916	2,173.64	24,975	174	....	....	8.7	10	2,838.32	32,594	101	....	....	8.7	10	740.86	3	.....	.....	278
1917	2,551.69	31,381	205	14	1.12	8.1	+25*	2,720.19	26,199	98	22	2.31	10.3	+25*	2,245.85	5	96	23.39	308
1918	2,726.19	33,538	221	13	1.06	8.1		2,434.14	32,567	97	30	2.08	7.4		4,188.49	6	135	31.02	324
1919	3,364.53	47,770	269	15	1.04	7.1		2,991.80	46,266	102	38	2.38	6.3		4,510.09	8	166	27.17	379
1920	4,054.63	63,938	317	15	1.07	7.1		3,474.32	62,322	108	48	2.68	5.6		5,249.31	8	169	31.06	433
1921	4,524.10	79,775	359	19	1.05	5.7		3,401.55	64,552	121	44	2.34	5.3		6,200.89	9	191	32.46	489
1922	4,308.72	104,199	391	23	96	4.2		3,164.42	88,999	128	60	2.13	3.5		6,349.73	11	205	30.97	530
1923	5,138.35	124,607	424	24	1.00	4.2		3,501.55	100,981	128	66	2.27	3.4		6,057.22	14	204	29.69	566
1924	5,625.27	197,124	447	38	1.08	2.8		3,392.08	106,639	124	70	2.24	3.2		6,368.30	17	246	25.89	588
1925	6,855.06	216,183	471	38	1.24	3.2		3,619.17	142,156	126	95	2.41	2.5		6,579.10	20	285	23.08	717
Ripley—																					
1922	1,312.40	11,993	64	16	1.71	10.9		1,598.21	12,452	44	24	3.03	12.8		1,618.29	1	39	41.49	109
1923	1,509.93	15,463	74	18	1.70	9.7		1,742.65	12,389	44	23	3.30	14.0		1,094.16	1	38	28.79	119
1924	1,994.04	22,897	75	25	2.23	8.6		2,102.78	17,477	41	34	4.12	12.1		.....	....	.....	.....	116
1925	2,243.84	24,575	79	27	2.43	9.0		2,238.47	16,408	45	32	4.34	13.6		.....	....	.....	.....	124

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Rockwood—																			
1913	230.27	.....	48	....	.....	....	None	†	.....	9	....	....	....	None	470.82	1	.....	.....	58
1914	848.55	7,824	54	13	1.38	8.8		†	.....	7	....	....	8.8		1,542.01	2	.....	.....	64
1915	731.97	9,500	65	13	1.03	7.7		251.27	3,300	10	32	2.46	7.7		907.57	3	.....	.....	78
1916	733.66	11,263	72	14	89	6.5		388.05	5,930	11	47	3.08	6.4		903.57	5	.....	.....	87
1917	795.54	12,740	77	14	90	6.2		380.90	6,061	15	39	2.44	6.3		1,097.05	3	59	18.60	95
1918	860.14	13,242	79	14	91	6.4		372.56	5,812	14	33	2.14	6.4		1,087.21	4	59	18.43	97
1919	1,023.14	17,602	93	16	92	5.8		384.46	6,571	17	32	1.90	5.9		1,177.94	4	59	19.97	114
1920	1,382.39	22,935	94	20	1.23	6.2		480.73	6,116	18	28	1.89	6.7		1,310.28	4	60	21.84	116
1921	1,799.39	27,899	112	21	1.34	6.4		584.02	7,607	16	40	3.04	7.7		2,056.68	4	73	28.17	132
1922	1,939.72	35,916	118	26	1.41	5.4		550.71	7,597	17	40	2.85	7.2		1,434.38	4	58	24.73	139
1923	1,835.72	39,722	125	26	1.23	4.6		508.88	7,663	18	35	2.36	6.6		1,332.84	4	52	26.63	147
1924	1,724.71	51,007	125	34	1.15	3.1		457.78	9,615	19	43	2.06	4.8		1,253.55	4	48	26.11	148
1925	1,710.07	62,113	120	43	1.19	2.7		512.45	14,224	23	51	1.86	3.6		943.08	3	40	23.57	146
Rodney—																			
1917	587.46	.....	57	....	.....	....	None	665.84	.....	41	....	....	....	None	.....	....	.....	.....	98
1918	794.65	6,522	63	9	1.10	12.0		911.63	7,916	44	15	1.78	11.5		.....	....	.....	.....	107
1919	1,050.66	10,423	78	11	1.12	10.1		1,224.65	9,712	46	18	2.04	11.4		1,657.98	2	47	35.28	126
1920	1,516.38	15,389	104	12	1.21	9.9		1,373.38	12,641	53	20	2.16	10.9		1,506.77	2	55	27.40	159
1921	1,849.15	20,809	120	14	1.28	8.9		1,548.45	14,445	56	21	2.30	10.7		1,427.43	2	51	27.99	178
1922	1,897.70	26,252	131	17	1.26	7.3		1,362.47	18,950	60	26	1.89	7.2		1,343.34	4	69	19.47	195
1923	2,005.79	31,109	148	17	1.12	6.4		1,373.87	26,218	60	36	1.92	5.2		1,933.14	4	72	26.84	212
1924	1,971.73	41,597	160	22	1.07	4.9		1,321.17	26,635	65	35	1.75	5.0		2,313.33	4	93	24.77	229
1925	2,022.59	46,403	165	24	1.04	4.3		1,531.36	32,534	66	41	1.95	4.7		3,141.19	4	114	27.50	235

St. Clair Beach—																				
1922	113.46	.....	23	.....	.....	.....		504.81	.....	2	.....	.....	.....		66.64	1	.....	.....	26
1923	719.63	13,273	34	32	1.76	5.4		1,836.97	1,862	1	155	.....	.....		316.19	2	10	31.61	37
1924	1,419.21	33,175	34	81	3.48	4.3		3,302.33	60,299	4	1675	91.73	5.5		298.81	2	12	24.90	40
1925	1,710.54	38,755	34	95	4.19	4.4		3,118.04	28,136	4	586	64.96	11.1		533.40	2	15	35.56	40
St. George—																				
1915	203.23	.....	39	.....	.....	.....	None	139.16	.....	14	.....	.....	.....	None	311.30	1	.....	.....	54
1916	832.23	11,483	56	20	1.46	7.2		474.38	7,031	24	31	2.08	6.7		583.52	2	.....	.....	82
1917	1,046.91	15,314	60	22	1.50	6.8		478.96	8,067	23	29	1.74	5.9		642.64	3	35	18.36	86
1918	1,138.63	14,034	64	18	1.53	8.1		456.16	8,405	25	29	1.58	5.4		1,379.58	4	44	31.35	93
1919	1,399.50	17,841	71	21	1.64	7.8		595.23	10,711	25	36	1.99	5.5		2,254.91	4	75	30.06	100
1920	1,390.96	19,694	80	20	1.45	7.1		711.98	13,764	24	48	2.47	5.2		2,010.11	4	71	28.31	108
1921	1,312.39	22,771	87	22	1.24	5.8		656.56	13,845	25	46	2.19	4.7		2,029.88	4	78	26.02	116
1922	1,608.26	31,675	96	29	1.48	5.1		719.97	14,384	27	46	2.31	5.0		2,151.07	4	83	26.89	127
1923	1,729.11	36,893	100	30	1.44	4.9		764.20	20,382	26	65	2.44	3.7		2,383.66	4	83	28.71	130
1924	1,584.38	51,038	108	41	1.27	3.1		586.63	10,677	31	31	1.68	5.4		2,427.70	4	90	26.97	143
1925	1,387.55	62,455	110	48	1.06	2.2		584.30	19,258	28	54	1.65	3.1		2,301.96	4	82	27.90	142
St. Jacobs—																				
1918	570.67	7,000	43	.....	.....	.....	None	521.00	7,559	21	.....	.....	.....	None	2,160.76	1	.....	.....	65
1919	615.87	7,992	48	14	1.07	7.7		517.40	6,462	22	24	1.96	8.0		2,031.33	2	66	30.87	72
1920	742.62	14,600	60	20	1.03	5.1		494.93	4,588	14	26	2.78	10.8		2,431.32	2	.....	.....	76
1921	989.14	16,370	57	24	1.45	6.0		524.38	6,049	23	22	1.90	8.7		2,303.05	2	77	29.91	82
1922	1,258.71	24,699	70	32	1.66	5.1		456.62	10,465	23	28	1.49	5.4		1,136.57	3	41	27.72	95
1923	1,576.05	42,219	69	63	1.90	3.7		600.18	14,401	23	52	2.17	4.1		147.82	2	6	24.64	94
1924	1,560.32	36,692	71	44	1.86	4.2		741.47	20,498	26	68	2.47	3.6		613.48	4	26	23.60	101
1925	1,580.39	64,560	72	74	1.83	2.4		911.13	23,731	21	94	3.61	3.8		3,069.80	4	102	30.39	97
Scarboro Twp.—																				
1919	.....	58,961	428	12	.....	.....	None	.....	4,054	9	30	.....	.....	None	.....	1	.....	.....	438
1920	.....	144,202	652	18	.....	.....		.....	3,374	8	35	.....	.....		3,083.31	3	59	52.26	663
1921	13,932.01	305,779	947	27	1.23	4.5		943.89	18,096	15	100	5.24	5.2		3,920.18	8	119	32.94	960
1922	20,438.77	293,567	1,363	21	1.13	5.4		3,925.46	61,845	58	89	5.64	6.3		6,439.46	12	175	36.80	1,433
1923	40,972.43	804,373	2,552	26	1.33	5.0		5,163.61	98,561	172	48	2.50	5.2		10,814.89	25	295	36.66	2,749
1924	50,986.90	1,884,735	2,549	61	1.66	2.7		9,124.97	234,346	190	108	4.20	3.9		17,731.25	30	532	33.33	2,768
1925	53,552.65	1,802,053	2,935	55	1.63	3.0		10,841.63	326,281	192	142	4.73	3.3		23,013.36	31	684	33.64	3,158

†Domestic and commercial light not separated.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Seaforth—																			
1913	2,124.18	24,665	178	....	....	8.6	8	2,876.47	34,789	105	....	....	8.3	8	7,509.99	10	.....	.....	293
1914	2,467.36	37,453	211	16	1.06	6.8	+25*	2,581.30	45,492	112	35	1.98	5.6	+25*	7,707.01	10	.....	.....	333
1915	2,593.70	43,162	238	16	96	6.0		2,724.84	48,840	111	37	2.03	5.6		7,685.52	11	.....	.....	360
1916	3,045.65	51,884	280	17	97	5.9		2,941.03	56,380	110	43	2.22	5.2		9,684.11	12	.....	.....	402
1917	3,437.49	59,870	298	17	96	5.8		2,902.34	49,593	112	37	2.16	5.8		15,125.30	13	401	37.72	423
1918	3,675.33	65,761	311	18	99	5.6		2,874.71	50,140	108	38	2.17	5.7		21,124.99	12	573	36.86	431
1919	4,209.20	80,479	326	21	1.08	5.2		3,460.97	62,055	119	43	2.42	5.6		12,054.95	13	469	25.70	455
1920	4,606.78	94,972	400	20	96	4.8		3,764.88	79,380	117	56	2.68	4.8		9,860.95	13	360	27.39	530
1921	5,870.40	138,859	447	26	1.09	4.2		3,610.84	89,515	124	60	2.43	4.0		9,993.15	13	407	24.55	584
1922	6,631.66	182,565	479	32	1.19	3.7		3,567.85	91,694	116	64	2.48	3.9		8,829.97	11	354	24.94	606
1923	7,854.34	250,783	504	41	1.29	3.1		3,879.71	111,753	110	84	2.93	3.4		6,622.57	12	261	25.37	626
1924	8,574.95	296,986	535	47	1.37	2.9		4,448.60	116,522	118	85	3.25	3.8		7,440.93	13	262	28.40	665
1925	9,215.69	310,344	550	47	1.39	2.9		4,587.24	127,936	118	90	3.24	3.6		7,258.16	13	240	30.24	681
Shelburne—																			
1917	1,625.28	28,451	133	18	1.02	5.7	10	1,362.06	23,807	74	27	1.53	5.7	10	620.14	4	28	22.15	210
1918	1,749.09	31,280	142	19	1.06	5.5		1,416.45	25,820	76	28	1.57	5.4		2,465.07	5	102	24.16	223
1919	2,046.30	40,546	170	20	1.00	5.0		1,645.38	32,215	76	35	1.80	5.1		2,606.52	3	107	24.36	249
1920	2,616.47	42,896	182	19	1.18	6.1		2,084.51	34,331	81	35	2.14	6.1		4,086.32	9	173	23.62	272
1921	3,754.83	60,112	206	24	1.52	6.2		2,862.25	48,759	80	51	2.98	5.9		4,460.29	7	181	24.64	293
1922	4,441.32	68,766	221	27	1.74	6.4		2,829.00	46,235	78	49	2.98	6.1		3,429.94	9	152	22.57	308
1923	4,535.60	68,639	234	24	1.61	6.6		3,545.17	49,900	86	48	3.43	7.1		3,678.96	8	144	25.54	328
1924	4,331.44	75,131	242	26	1.52	5.8		3,398.49	52,866	89	50	3.19	6.4		4,237.88	11	183	23.16	342
1925	4,105.28	91,674	256	31	1.37	4.4		3,724.97	64,562	87	61	3.53	5.8		4,147.22	11	170	24.32	354
Springfield—																			
1918	738.06	7,332	40	....	....	....	None	526.02	6,161	18	....	....	....	None	650.34	2	25	.....	60
1919	900.59	9,413	47	17	1.60	9.6		635.08	8,595	21	34	2.52	7.4		545.33	2	28	19.48	70

1920	961.07	10,813	50	18	1.60	8.9		697.17	8,281	21	33	2.75	8.4		648.72	2	28	23.17	73
1921	1,110.81	13,368	53	21	1.75	8.3		574.12	4,900	22	19	2.20	11.6		528.69	2	27	19.58	77
1922	1,216.56	15,720	64	23	1.75	7.7		589.43	5,709	24	21	2.14	10.3		701.33	3	33	21.25	91
1923	1,389.91	17,389	70	20	1.78	7.9		651.05	6,116	25	20	2.17	10.6		666.82	2	32	20.86	97
1924	1,398.55	21,275	74	24	1.62	6.7		724.34	9,767	23	34	2.51	7.4		754.08	2	32	23.56	99*
1925	1,571.73	29,935	87	31	1.63	5.3		762.06	8,540	22	32	2.82	8.8		2,009.95	4	52	38.65	113
Stamford Twp.																			
1920	6,951.53	.....	673	....	....	....	None	.....	.....	27	....	....	....	None	7,276.54	11	.....	.....	711
1921	10,340.84	.....	770	....	....	....		.....	.....	20	....	....	....		6,937.46	9	.....	.....	799
1922	15,246.07	774,352	751	82	1.67	2.0		365.04	1,254	16	....	....	....		11,241.10	14	445	25.26	112
1923	18,250.90	847,910	856	82	1.77	2.1		1,022.41	15,414	12	107	7.10	6.6		10,171.53	11	431	23.59	879
1924	21,474.11	1,018,966	869	100	2.07	2.0		1,548.12	33,111	15	197	9.21	4.7		10,736.23	16	533	20.14	900
1925	24,828.95	1,180,403	995	105	2.22	2.1		1,703.77	34,575	47	93	4.58	4.9		7,392.82	13	254	29.15	1,055
Stayner—																			
1913	158.48	.....	120	....	....	....	Flat	116.91	.....	30	....	....	....	Flat	301.86	2	.....	.....	152
1914	909.58	9,200	108	7	66	9.9		747.93	11,000	56	20	1.45	6.7		1,699.08	2	.....	.....	156
1915	995.47	11,845	106	9	78	8.4		933.55	13,725	56	20	1.39	6.8		1,694.94	2	.....	.....	164
1916	1,012.15	11,995	115	9	76	9.2		997.39	12,955	65	18	1.37	7.7		1,835.29	3	.....	.....	183
1917	1,109.46	13,883	124	10	78	7.9		957.56	17,169	59	23	1.29	5.6		1,009.88	5	44	22.95	188
1918	1,180.03	13,826	132	10	76	7.0		914.85	15,682	57	22	1.13	5.8		1,982.63	4	78	25.41	193
1919	1,368.49	24,969	134	14	85	6.1		1,334.50	21,766	60	30	1.85	6.1		3,382.97	5	134	25.23	199
1920	1,896.77	24,748	151	14	1.05	7.7		1,683.99	26,620	62	36	2.26	6.3		3,826.06	5	171	22.38	218
1921	2,534.35	40,043	164	20	1.29	6.3		2,301.30	34,034	65	44	2.95	6.8		3,006.88	9	126	23.86	238
1922	2,707.30	37,525	176	18	1.33	6.1		2,246.55	36,789	67	47	2.82	6.1		2,433.27	7	114	20.28	250
1923	3,169.66	42,621	203	19	1.39	7.3		1,805.88	29,887	54	46	2.78	6.0		2,830.60	8	108	26.20	315
1924	2,859.76	65,220	204	26	1.17	4.5		1,381.79	24,973	56	38	2.09	5.2		2,882.89	10	119	24.23	270
1925	2,648.89	92,431	209	37	1.07	2.9		1,302.45	32,108	55	48	1.96	4.1		2,725.98	8	110	24.78	272
Stouffville—																			
1924	4,022.42	52,872	206	21	1.63	7.6		1,996.13	16,492	67	21	2.48	11.8		1,639.11	5	51	32.14	278
1925	3,964.40	67,859	209	27	1.58	5.8		2,132.17	20,614	75	22	2.36	10.3		1,771.97	5	56	31.64	289

*Meter rental.

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality	Year	Domestic service							Commercial light service							Power service					Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower		
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.		
Sunderland—																					
	1915	794.83	.....	57	....	.....	.....	12.5	939.85	.....	36	.....	.....	.....	12.5	.....	.....	.....	.....		93
	1916	752.64	7,414	61	11	1.06	9.8		840.22	9,644	37	45	1.92	9.0		211.86	1	.....	.....		99
	1917	858.64	10,369	58	15	1.29	8.3		745.91	10,108	27	26	1.94	7.4		731.14	2	34	21.50		87
	1918	988.01	11,631	65	15	1.33	8.4		735.19	7,867	31	22	2.11	9.3		825.04	1	30	27.50		97
	1919	1,123.51	14,103	71	17	1.32	8.0		905.32	10,497	32	24	2.36	9.8		1,001.01	1	30	33.37		114
	1920	1,580.01	17,349	79	18	1.66	9.1		1,060.24	10,876	34	27	2.60	9.7		790.48	1	30	26.35		114
	1921	1,851.55	16,233	79	17	1.95	11.4		1,398.04	9,850	35	23	3.33	14.2		814.60	2	30	27.15		116
	1922	1,858.95	16,376	80	17	1.94	11.4		1,523.73	14,023	36	34	3.63	10.9		755.72	2	35	22.90		118
	1923	1,879.48	20,757	89	19	1.75	9.0		1,441.09	12,508	39	26	3.07	11.5		804.86	2	36	22.35		130
	1926	1,965.84	27,865	96	25	1.70	7.0		1,405.48	16,484	37	36	3.08	8.5		1,039.56	2	40	25.80		135
	1925	1,891.73	29,138	103	24	1.59	6.6		1,290.15	17,003	39	37	2.83	7.6		950.74	3	38	25.02		145
Sutton—																					
	1924	3,621.98	37,384	232	13	1.30	10.0		940.37	15,277	44	29	1.78	6.2		424.12	1	12	35.34		277
	1925	4,374.34	54,859	268	18	1.46	8.1		1,523.85	19,929	45	37	2.85	7.7		454.79	1	12	37.90		314
Tara—																					
	1918	428.30	.....	45	....	.....	.....	None	392.66	.....	34	.....	.....	.....	None	352.49	1	.....	.....		80
	1919	601.28	9,807	59	14	85	6.1		694.94	11,526	38	24	1.52	6.0		519.73	3	27	19.24		100
	1920	1,093.36	16,329	71	19	1.28	6.7		1,047.54	13,127	42	26	2.08	8.0		950.40	5	46	20.66		118
	1921	1,824.49	22,922	81	24	2.54	7.9		1,787.89	15,682	39	34	3.82	11.4		1,134.69	6	.....	.....		126
	1922	2,226.18	.....	84	....	.....	.....		1,977.69	.....	37	.....	.....	.....		1,120.91	5	32	35.03		126
	1923	2,074.95	.....	.....	.....	.....	.....		1,573.28	.....	.....	.....	.....	.....		1,102.58	4	39	28.27		.....
	1924	2,315.21	23,011	94	20	2.05	10.2		1,805.31	16,808	37	38	4.07	10.7		788.84	4	33	23.84		135
	1925	2,245.14	24,417	96	21	1.97	9.4		1,858.86	15,382	39	34	4.08	12.0		1,124.28	5	37	30.39		140
Tavistock—																					
	1917	1,155.03	.....	80	....	.....	.....	10	1,396.92	.....	64	.....	.....	.....	10	1,915.65	2	.....	.....		146
	1918	1,258.12	13,089	114	10	92	9.6		1,014.49	11,047	58	16	1.46	9.2		10,303.82	3	284	36.29		175
	1919	1,442.02	21,845	126	14	95	6.6		991.26	18,574	60	26	1.36	5.3		10,133.62	4	305	33.23		190

1920	1,806.64	31,384	139	19	1.08	5.7		1,015.70	21,082	64	29	1.32	4.6		8,593.94	4	298	28.84	207
1921	2,184.08	49,433	155	27	1.17	4.4		1,069.78	39,706	64	52	1.39	2.7		8,593.78	4	300	28.64	223
1922	3,131.34	83,513	201	39	1.47	3.7		1,129.37	48,305	62	64	1.46	2.3		6,626.92	4	249	26.61	267
1923	3,609.74	114,021	200	47	1.50	3.1		1,323.87	48,352	66	61	1.67	2.7		2,744.62	4	159	17.33	270
1924	3,996.35	152,489	203	66	1.64	2.5		1,663.40	48,677	66	61	2.10	3.4		3,363.54	5	174	19.33	273
1925	4,337.08	163,357	216	63	1.67	2.7		1,920.91	49,039	66	62	2.42	3.9		7,560.73	5	274	27.59	287
Tecumseh—																			
1922	1,325.94	.....	279	.....	.....	.....		541.16	.....	32	.....	.....	.....		15.15	1	.....	.....	312
1923	6,184.85	69,521	302	19	1.70	8.8		1,833.70	24,251	33	61	4.63	7.5		150.04	1	7	21.43	336
1924	9,257.88	221,542	331	58	2.43	4.2		2,476.90	37,709	35	92	6.07	6.6		213.94	1	9	23.77	367
1925	11,627.39	285,861	333	72	2.92	4.0		2,974.40	69,928	43	149	6.35	4.3		132.92	1	7	17.72	378
Teeswater—																			
1922	2,695.66	38,937	127	25	1.77	6.9		1,480.98	22,148	47	39	2.63	6.7		2,528.67	3	94	26.90	177
1923	2,890.60	52,740	136	32	1.77	5.4		2,030.58	32,980	60	45	2.83	6.1		3,011.49	3	107	28.14	199
1924	3,207.62	49,091	148	29	1.88	6.5		2,311.03	27,854	59	39	3.21	8.2		3,044.29	3	103	29.53	210
1925	3,635.47	64,165	165	34	1.94	5.7		2,581.44	33,466	60	47	3.61	7.7		3,060.48	5	96	31.88	230
Thamesford—																			
1914	393.49	3,686	44	.....	.....	10.9	None	323.92	3,445	26	.....	.....	9.4	None	946.32	2	.....	.....	72
1915	374.34	6,676	59	9	78	8.6		481.78	5,886	26	12	1.20	8.2		423.21	2	.....	.....	87
1916	642.21	7,540	64	10	87	8.5		537.42	6,768	29	20	1.63	7.9		268.23	2	.....	.....	54
1917	646.83	6,973	63	9	86	9.3		588.64	6,827	28	20	1.75	8.6		682.43	3	41	16.64	99
1918	652.58	7,773	67	10	81	8.5		630.67	9,019	28	27	1.88	7.0		1,680.37	4	69	24.35	99
1919	820.10	8,993	69	11	1.12	9.1		819.62	10,572	27	33	2.53	7.7		3,727.03	4	69	38.22	100
1920	1,030.02	10,899	71	13	1.21	9.4		980.63	12,388	28	37	2.75	7.4		3,852.98	3	105	36.70	102
1921	1,127.26	13,113	80	14	1.17	8.6		1,003.40	13,575	27	42	3.10	7.4		4,009.68	3	104	38.55	110
1922	1,274.53	16,861	85	17	1.27	7.6		1,228.33	16,823	26	54	3.94	7.3		4,211.07	4	109	38.63	115
1923	1,345.98	18,637	90	17	1.25	7.2		1,212.44	17,875	27	55	3.74	6.7		3,976.75	6	112	35.50	123
1924	1,474.07	26,152	93	24	1.34	5.6		1,175.72	22,053	27	68	3.63	5.3		4,069.90	5	111	36.67	125
1925	1,534.55	32,649	94	29	1.37	4.7		1,171.77	25,801	26	81	3.68	4.5		3,646.87	5	105	34.87	125
Thamesville—																			
1915	378.79	.....	107	.....	.....	.....	9	283.36	.....	53	.....	.....	.....	11	.....	.....	.....	.....	160
1916	1,729.79	19,061	137	13	1.18	9.1		1,021.17	13,087	59	20	1.52	7.8		.....	.....	.....	.....	196
1917	1,829.34	21,168	145	13	1.08	8.6		949.80	9,697	70	12	1.22	9.8		.....	.....	.....	.....	215
1918	1,781.98	23,819	149	13	1.00	7.5		909.52	11,131	63	15	1.20	8.2		.....	.....	.....	.....	213
1919	1,672.09	26,913	149	15	94	6.2		1,242.00	16,158	69	19	1.50	7.7		.....	.....	.....	.....	218
1920	2,293.54	31,757	168	16	1.14	7.2		1,783.72	16,581	67	21	2.22	10.8		199.80	2	.....	.....	237
1921	2,907.81	36,542	183	17	1.32	8.0		2,578.52	24,263	66	31	3.26	10.6		2,556.55	4	64	39.95	253
1922	3,030.28	41,882	181	19	1.39	7.2		2,179.75	28,244	72	34	2.63	7.7		3,161.15	5	81	39.03	258
1923	3,013.98	51,037	196	21	1.28	5.9		2,264.50	42,347	83	45	2.43	5.4		3,081.16	6	90	34.24	285
1924	3,314.33	73,927	193	32	1.42	4.6		2,179.65	42,133	76	44	2.28	5.2		2,582.60	6	93	27.77	275
1925	3,206.41	100,190	200	42	1.33	3.2		2,313.42	52,171	76	57	2.53	4.4		2,683.38	8	104	25.80	284

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality	Year	Domestic service							Commercial light service							Power service				Total number of consumers
		Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
		$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Thedford—																				
	1922	1,027.74	.....	100	....	.....	....		686.87	.....	33	....	.....	....		365.28	1	.....	.....	134
	1923	2,038.83	16,197	105	12	1.61	12.5		1,406.69	11,144	36	26	3.25	12.6		1,017.24	2	27	37.67	143
	1924	2,184.91	24,387	104	19	1.75	9.2		1,408.02	15,611	35	37	3.35	9.1		781.12	3	27	28.93	142
	1925	2,217.59	30,012	111	22	1.66	7.3		1,356.76	14,557	39	31	2.89	9.3		785.92	3	31	25.35	153
Thorndale—																				
	1914	446.27	2,787	34	....	.....	7.8	None	.....	2,989	18	....	.....	7.8	None	329.27	1	.....	.....	53
	1915	299.37	2,816	32	7	76	10.6		374.09	3,653	20	16	1.64	10.2		542.53	1	.....	.....	53
	1916	328.67	3,597	33	9	84	9.1		403.01	3,709	21	16	1.64	10.9		459.79	1	.....	.....	55
	1917	382.95	4,654	37	11	91	8.2		413.03	4,642	22	17	1.56	8.9		475.53	1	24	19.81	60
	1918	434.89	5,754	41	12	92	7.5		404.27	5,302	23	19	1.49	7.6		2,114.60	2	64	33.04	66
	1919	539.94	9,211	43	12	1.05	8.7		560.55	6,015	27	19	1.73	9.3		2,337.09	2	77	30.35	72
	1920	716.05	7,115	46	13	1.30	10.0		715.49	9,269	27	29	2.21	7.7		3,455.34	2	86	40.18	75
	1921	989.21	10,666	62	16	1.33	9.3		743.97	8,748	17	43	3.65	8.5		2,102.43	2	61	34.47	81
	1922	1,056.69	11,787	55	17	1.52	8.8		668.49	8,098	25	26	2.65	8.3		1,838.18	1	54	34.04	81
	1923	1,198.22	15,229	54	25	1.85	7.9		711.94	10,071	26	32	2.28	7.0		1,429.26	1	36	39.70	81
	1924	1,239.34	22,756	65	32	1.73	5.5		737.35	7,262	21	33	2.61	7.8		1,319.48	1	33	39.98	87
	1925	1,462.94	26,381	73	32	1.77	5.5		637.28	7,568	20	31	2.59	8.3		1,306.10	1	33	39.58	94
Thornton—																				
	1919	390.38	.....	31	....	.....	....	None	158.36	.....	10	....	.....	....	None	.....	....	.....	.....	41
	1920	564.08	.....	33	....	.....	....		198.24	.....	10	....	.....	....		.....	....	.....	.....	43
	1921	688.24	6,683	34	16	1.69	10.3		306.20	3,250	11	24	2.32	9.4		.....	....	.....	.....	55
	1922	786.81	7,816	38	18	1.82	10.1		330.93	2,431	10	20	2.75	13.2		.....	....	.....	.....	48
	1923	879.09	7,916	38	17	1.92	11.1		259.09	2,031	10	16	2.15	12.7		.....	....	.....	.....	.....
	1924	808.49	9,159	39	20	1.73	8.6		296.01	3,460	11	26	2.24	8.6		.....	....	.....	.....	50
	1925	791.69	9,796	44	19	1.59	8.0		348.40	3,314	13	23	2.42	10.5		393.73	2	16	25.08	59

Tilbury—																			
1915	979.57	.....	123	...	...	...	10	1,476.53	.....	67	...	...	...	10	.....	...	.....	.....	190
1916	1,507.37	21,483	127	14	1.00	6.5		2,071.77	32,612	79	37	2.36	6.4		149.60	2	.....	.....	218
1917	1,555.59	20,600	132	13	1.00	7.6		2,038.56	27,335	80	29	2.12	7.5		423.28	5	22	19.24	217
1918	1,652.71	23,964	135	15	1.02	6.9		1,834.59	26,534	75	30	2.04	6.8		1,402.53	4	56	25.15	214
1919	1,918.60	30,305	143	18	1.12	6.3		2,279.49	34,939	91	32	2.09	6.5		1,889.69	5	77	24.54	239
1920	2,372.09	35,314	144	20	1.37	6.7		2,648.21	44,668	91	41	2.43	5.9		1,711.87	6	85	20.14	241
1921	3,279.86	50,279	193	22	1.42	6.5		3,457.17	54,960	89	51	3.24	6.3		4,745.94	8	168	28.25	290
1922	4,201.29	67,899	220	25	1.69	6.2		4,265.94	67,317	88	63	4.04	6.3		6,640.84	10	256	25.90	318
1923	4,551.36	96,109	255	31	1.48	5.6		4,461.85	76,723	97	65	3.83	5.8		8,799.72	11	333	26.42	363
1924	4,705.82	131,636	257	43	1.65	3.6		3,960.70	83,194	95	72	3.44	4.8		10,792.47	13	411	26.27	365
1925	4,810.34	152,495	276	48	1.50	3.1		4,257.07	98,501	99	85	3.66	4.3		11,670.29	13	453	25.77	388
Toronto Twp.—																			
1918	13,180.75	.....	280	...	...	...	None	.....	.....	.....	...	...	...	None	.....	...	.....	.....	280
1919	14,566.15	.....	258	...	...	...		.....	.....	.....	...	...	...		.....	...	.....	.....	258
1920	18,641.08	.....	398	...	...	...		.....	.....	.....	...	...	...		.....	12	.....	.....	410
1921	25,042.87	.....	573	...	...	...		.....	.....	.....	...	...	...		.....	12	204	.....	585
1922	27,068.08	435,808	798	53	3.29	6.2		.....	.....	.....	...	...	...		.....	11	131	.....	809
1923	39,423.13	.....	925	...	...	...		.....	.....	.....	...	...	...		9,242.53	13	265	34.87	938
1924	38,350.74	.....	1,057	...	...	...		.....	.....	.....	...	...	...		7,644.31	13	247	30.95	1,070
1925	33,103.36	1,497,804	1,132	110	2.44	2.2		4,898.09	97,057	91	89	448	5.0		6,911.67	14	243	28.45	1,237
Tottenham—																			
1919	1,323.68	10,434	79	11	1.40	12.7	Flat	984.93	9,125	46	17	1.78	10.8	Flat	.....	...	.....	.....	125
1920	1,528.86	19,560	82	19	1.55	7.8		1,011.40	11,000	41	23	2.09	9.8		.....	...	.....	.....	123
1921	2,181.09	25,684	103	21	1.77	8.5		1,335.34	13,089	47	23	2.37	10.2		217.57	2	6	36.26	152
1922	2,479.22	29,904	106	24	1.98	8.3		1,445.59	15,209	52	25	2.41	9.5		615.59	3	22	27.99	161
1923	2,572.00	32,089	112	23	1.91	8.0		1,317.92	13,431	50	22	2.19	9.8		665.93	3	30	22.19	165
1924	2,525.46	32,105	117	23	1.83	7.9		1,465.00	14,904	49	25	2.49	9.9		787.62	4	31	25.41	170
1925	2,495.94	32,154	110	24	1.83	7.6		1,471.63	16,827	44	30	2.64	8.8		1,018.20	4	33	30.85	158
Trafalgar Twp.																			
1924	7,855.14	182,608	146	101	4.48	4.4		1,000.49	13,031	2	543	4168	7.7		1,399.10	12	514	27.22	160
1925	9,982.21	301,036	172	158	5.23	3.3		661.80	11,983	2	499	2757	5.5		1,438.35	13	583	24.67	187
Uxbridge—																			
1922	589.77	.....	127	...	...	...		669.36	.....	75	...	...	...		19.94	8	.....	.....	210
1923	4,320.73	44,039	178	20	2.02	9.8		4,131.97	39,357	76	44	4.54	10.4		1,424.26	11	51	27.92	265
1924	4,928.49	61,095	208	26	2.13	8.2		3,641.10	47,083	77	51	3.94	7.7		1,720.73	14	75	23.04	299
1925	5,223.40	88,273	226	34	2.01	5.9		3,546.10	37,889	78	41	3.81	9.3		1,966.72	15	81	24.28	319

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	$ c.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Victoria Harbor—																			
1915	105.79	.....	56	....	....	....	Flat	117.85	.....	34	....	....	....	Flat	.....	....	.....	.....	90
1916	642.29	.....	65	....	....	....		1,171.37	.....	31	....	....	....		.....	....	.....	.....	96
1917	666.04	9,230	69	11	80	7.2		1,130.48	11,721	38	26	2.48	9.6		.....	....	.....	.....	107
1918	735.97	12,403	71	15	86	5.9		1,069.34	13,830	27	42	3.30	7.7		.....	....	.....	.....	98
1919	931.86	15,485	78	16	98	6.0		1,299.03	17,292	33	44	3.28	7.5		.....	....	.....	.....	111
1920	1,222.63	26,137	89	26	1.21	4.9		1,470.72	23,053	39	53	3.40	6.3		.....	....	.....	.....	128
1921	1,593.60	29,255	97	25	1.37	5.4		1,607.34	32,090	36	74	3.72	5.0		.....	....	.....	.....	133
1922	1,943.27	26,107	116	28	1.52	5.4		1,769.22	18,860	40	41	3.88	9.4		.....	....	.....	.....	156
1923	2,103.49	34,126	127	22	1.37	6.1		1,434.96	22,761	38	49	3.14	6.3		.....	....	.....	.....	165
1924	2,025.54	41,344	145	25	1.24	5.0		1,047.42	19,428	38	43	2.30	5.3		.....	....	.....	.....	183
1925	2,028.45	45,764	145	26	1.17	4.5		1,001.54	20,839	34	48	2.32	4.8		.....	....	.....	.....	179
Wardsville—																			
1922	794.73	5,541	41	11	1.62	14.3		382.33	3,052	15	17	2.12	12.5		.....	....	.....	.....	56
1923	803.19	5,346	43	10	1.55	15.0		418.46	3,699	16	19	2.17	11.3		.....	....	.....	.....	59
1924	887.66	8,173	43	16	1.72	10.8		447.16	4,889	15	27	2.48	9.2		.....	....	.....	.....	58
1925	918.61	9,775	52	15	1.47	9.4		412.45	5,076	13	32	2.64	8.1		.....	....	.....	.....	65
Warkworth—																			
1924	2,053.79	22,722	58	33	2.95	8.9		1,226.00	8,349	27	26	3.78	14.5		.....	....	.....	.....	85
1925	2,259.44	27,302	68	36	2.99	8.3		1,249.92	7,139	32	20	3.53	17.6		.....	....	.....	.....	100
Waterdown—																			
1912	774.40	.....	41	....	....	....	None	340.00	.....	20	....	....	....	None	614.42	2	.....	.....	63
1913	1,003.09	.....	70	....	....	....		361.20	.....	34	....	....	....		917.65	2	.....	.....	106
1914	1,054.13	13,360	71	16	1.25	7.9		535.83	8,321	34	20	1.13	6.5		1,011.38	5	.....	.....	110
1915	1,202.41	18,017	84	19	1.30	6.7		567.65	8,493	30	23	1.48	6.7		1,207.80	7	.....	.....	121
1916	1,218.86	18,622	93	18	1.15	6.5		575.10	8,944	32	24	1.55	6.4		1,149.78	6	.....	.....	131

1917	1,317.48	18,025	101	15	1.13	7.3		529.70	7,887	31	21	1.43	6.7		1,232.89	4	85	14.50	136
1918	1,450.47	26,308	105	21	1.15	5.5		529.53	9,768	33	25	1.34	5.4		1,163.48	4	82	14.19	142
1919	1,828.47	24,000	127	16	1.20	7.6		595.30	8,400	33	21	1.50	7.1		1,401.58	3	67	20.92	163
1920	2,167.44	30,150	134	19	1.38	7.1		609.00	7,750	31	20	1.59	8.0		1,487.72	3	80	18.60	168
1921	2,353.26	47,413	154	26	1.24	5.0		664.53	15,236	36	35	1.54	4.4		1,137.87	4	77	14.78	194
1922	2,488.49	61,548	148	34	1.37	4.0		613.00	11,458	31	31	1.65	5.3		1,075.13	3	74	13.53	182
1923	2,585.03	59,867	170	29	1.27	4.1		657.78	16,050	33	40	1.68	4.0		1,329.07	4	78	17.03	207
1924	2,927.21	126,415	185	57	1.32	2.3		722.74	30,189	35	72	1.72	2.4		1,437.47	4	85	16.91	224
1925	2,796.21	132,957	191	53	1.22	2.3		691.36	29,429	36	68	1.60	2.4		1,795.41	4	79	22.72	231
Waterford—																			
1915	685.22	.....	75	....	....	....	10	546.08	.....	40	....	....	....	10	.....	....	.....	.....	115
1916	1,112.28	14,220	99	14	1.08	7.8		796.50	9,827	42	20	1.62	8.1		1,007.74	2	.....	.....	143
1917	1,369.35	17,445	100	15	1.14	7.8		807.28	11,938	42	24	1.21	6.8		4,030.85	1	85	47.54	143
1918	1,501.34	19,613	122	13	1.03	7.7		831.42	13,075	46	25	1.51	6.4		3,687.15	2	85	43.38	170
1919	1,874.15	37,321	149	21	1.05	5.0		1,003.75	20,737	47	37	1.78	4.8		3,921.69	3	105	37.34	199
1920	2,503.53	39,489	171	21	1.30	6.0		977.72	25,277	50	44	1.70	3.9		3,345.94	5	105	31.60	226
1921	2,957.14	68,585	203	28	1.21	4.3		1,135.31	25,104	49	43	1.93	4.5		2,493.18	7	83	30.04	259
1922	3,190.10	77,886	229	25	1.04	4.1		1,162.48	29,815	55	45	1.76	3.8		3,678.35	9	91	40.42	293
1923	3,632.90	102,660	260	32	1.16	3.5		1,151.97	35,664	53	56	1.81	3.2		4,302.25	11	148	29.06	324
1924	4,045.94	182,030	269	57	1.27	2.2		1,011.78	49,439	63	71	1.45	2.0		4,455.51	12	144	30.95	344
1925	4,387.84	209,372	276	64	1.34	2.1		1,703.22	64,640	61	87	2.29	2.6		4,911.21	5	125	39.28	342
Watford—																			
1918	1,544.91	20,173	108	16	1.20	7.6	Flat	1,324.56	18,173	70	21	1.57	7.2	10	1,542.04	4	64	24.09	182
1919	1,905.65	23,042	118	16	1.34	8.3		1,779.86	16,293	60	23	2.47	10.9	+25	2,154.95	5	63	34.20	183
1920	2,332.72	26,686	136	18	1.53	8.5		2,160.32	20,679	70	27	2.76	10.5		2,305.80	7	80	29.00	213
1921	2,873.44	30,714	154	17	1.55	9.3		2,620.52	29,233	76	32	2.87	9.0		2,808.30	8	85	33.04	238
1922	3,118.10	36,865	201	18	1.47	8.5		2,880.90	30,769	76	34	3.16	9.4		3,227.88	9	97	33.27	286
1923	3,740.23	59,745	215	23	1.44	6.2		2,856.12	29,326	73	33	3.26	9.7		2,727.08	8	82	33.25	296
1924	4,158.80	88,087	229	33	1.56	4.7		2,960.33	40,973	80	44	3.20	7.3		2,103.19	9	73	28.81	318
1925	4,653.33	112,981	240	70	2.83	4.1		3,275.54	49,912	79	52	3.45	6.6		2,105.78	7	73	28.84	326
Waubaushene—																			
1915	516.34	7,296	49	12	88	7.3	None	220.50	2,979	15	17	1.22	7.2	None	32.28	1	.....	.....	65
1916	646.58	8,233	58	13	1.01	7.9		496.47	7,534	20	36	2.37	6.6		49.52	1	.....	.....	79
1917	691.56	8,602	64	11	94	8.0		455.62	8,588	17	40	2.23	5.3		36.85	1	3	12.28	82
1918	702.19	10,124	64	13	91	6.9		494.76	10,988	16	57	2.58	4.5		21.49	1	.....	.....	81
1919	735.40	11,457	66	14	93	6.7		266.34	4,951	17	24	1.31	5.4		41.10	2	.....	.....	85
1920	1,050.26	13,959	71	17	1.28	7.5		478.46	7,344	18	28	2.49	6.4		70.49	1	5	14.10	94
1921	1,324.12	18,023	69	21	1.58	7.5		640.36	9,479	16	46	3.14	6.8		112.73	3	10	.....	88
1922	1,368.50	18,011	70	22	1.63	7.6		557.83	9,035	17	47	2.91	6.2		167.97	3	19	.....	90
1923	1,315.55	19,717	90	18	1.21	6.6		483.29	8,190	19	35	2.11	5.9		270.17	4	25	10.80	113
1924	1,291.80	22,828	98	20	1.15	5.7		443.40	9,870	19	44	1.95	4.4		363.63	4	23	15.81	121
1925	1,300.50	30,165	100	25	1.09	4.4		398.22	9,077	19	40	1.75	4.4		326.62	3	18	17.58	122

STATEMENT "D"—Continued

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Average Consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Wellesley—																			
1917	642.52	7,181	68	9	79	9.0	None	353.33	3,393	28	10	1.05	10.4	None	2,784.78	3	82	33.96	99
1918	677.43	8,028	65	10	87	8.4		415.73	7,198	25	24	1.38	5.8		4,351.11	3	120	36.26	93
1919	747.84	9,710	69	12	90	7.7		524.60	12,542	27	39	1.62	4.2		4,253.22	3	119	35.74	99
1920	857.83	11,307	76	12	98	7.6		524.94	11,270	30	31	1.45	4.7		4,180.31	3	118	35.40	109
1921	1,065.38	14,638	82	15	1.08	7.3		568.02	12,893	30	36	1.58	4.4		4,003.07	4	117	34.21	116
1922	1,218.98	19,222	88	19	1.20	6.3		626.02	14,624	35	38	1.63	4.3		4,332.93	5	119	36.41	128
1923	1,363.47	24,229	91	22	1.24	6.0		820.60	17,561	33	44	2.07	4.6		4,790.83	3	124	38.63	127
1924	1,445.36	31,230	97	28	1.28	4.6		836.40	14,009	31	36	2.18	6.0		4,867.43	5	124	39.25	133
1925	1,624.54	52,352	99	44	1.36	3.1		766.72	16,463	31	44	2.06	4.6		3,694.72	5	108	34.21	135
Wellington—																			
1920	1,737.62	17,084	125	11	1.15	10.1	Flat	1,362.42	17,012	43	33	2.61	8.0	Flat	1,503.26	3	51	29.48	171
1921	2,611.66	34,813	166	17	1.27	7.5		1,199.05	15,195	46	27	2.10	7.8		1,736.95	1	56	31.02	213
1922	3,092.49	40,654	176	20	1.51	7.6		1,340.74	17,102	53	29	2.23	7.8		1,842.93	5	58	31.77	234
1923	3,089.36	50,118	190	21	1.35	6.1		1,948.27	28,567	42	56	3.86	6.8		2,300.79	5	70	32.00	237
1924	3,742.91	56,903	212	24	1.55	6.5		1,627.13	27,287	48	50	3.01	6.0		2,422.66	7	82	29.54	267
1925	4,097.23	63,909	228	24	1.55	6.5		2,122.83	31,760	47	56	3.72	6.6		2,806.49	8	91	30.91	283
West Lorne—																			
1917	578.98	.....	54	.....	.....	.....	Flat	602.00	.....	40	.....	.....	.....	Flat	.....	.....	.....	.....	94
1918	759.87	6,884	66	9	96	11.0		649.68	7,917	44	15	1.23	8.2		59.38	1	.....	.....	111
1919	991.90	.....	66	.....	.....	.....		873.46	.....	44	.....	.....	.....		360.44	1	8	45.05	111
1920	1,286.61	.....	.....	.....	.....	.....		1,253.45	.....	.....	.....	.....	.....	.....	4,838.27	.....	.....	.....	.....
1921	1,630.54	21,954	110	17	1.23	7.5		1,356.84	21,503	54	33	2.09	6.3		6,008.65	3	157	38.27	167
1922	1,707.26	23,500	120	17	1.24	7.3		1,469.24	22,700	54	35	2.27	6.5		6,413.57	3	181	35.50	177
1923	1,828.90	26,729	143	15	1.06	6.8		1,662.45	27,165	55	41	2.25	6.1		7,192.16	3	207	32.86	202
1924	1,903.28	37,734	152	21	1.07	5.1		1,636.27	39,567	54	61	2.53	4.2		7,900.64	4	221	35.74	210
1925	1,993.73	49,471	157	26	1.06	4.0		1,582.49	55,860	53	88	2.49	2.8		8,657.23	6	301	28.76	216

Wheatley—																			
†1924	2,085.13	.....	120	....	....	....		2,078.71	.....	53	....	....	....		691.12	1	.....	.....	174
1925	3,366.75	38,788	119	27	2.35	8.7		2,831.87	29,246	53	46	4.45	9.7		857.63	1	22	38.63	173
Williamsburg—																			
1915	403.72	.....	44	....	....	....	None	139.26	.....	9	....	....	....	None	.....	1	.....	.....	54
1916	568.66	7,392	41	14	1.11	7.7		224.29	3,934	9	36	2.08	5.7		285.73	1	.....	.....	51
1917	551.07	7,003	42	16	1.09	7.9		280.09	3,347	10	30	2.33	8.4		256.38	1	9	28.48	53
1918	547.71	6,798	44	13	1.04	8.1		313.21	3,915	11	30	2.37	8.0		205.51	1	15	13.70	56
1919	785.76	7,334	42	15	1.49	10.0		312.45	5,981	14	36	1.86	5.2		334.03	2	18	18.50	58
1920	759.05	7,842	41	16	1.54	9.7		253.05	4,506	7	41	1.75	5.5		386.63	2	22	17.57	50
1921	926.67	11,363	47	19	1.58	8.3		439.04	3,722	12	33	3.05	9.2		230.38	1	9	25.60	60
1922	1,091.67	10,985	46	20	1.74	8.7		541.37	5,674	14	36	3.47	9.6		257.92	1	14	18.42	61
1923	893.22	11,636	45	21	1.65	7.6		530.32	7,254	16	40	2.81	7.0		217.32	1	16	13.58	62
1924	899.53	13,565	45	25	1.67	6.7		663.81	9,148	16	48	3.46	7.2		222.46	1	17	13.40	62
1925	951.72	14,276	46	26	1.74	6.7		547.56	7,848	16	41	2.85	7.0		303.53	1	19	15.97	63
Winchester—																			
1914	1,672.09	.....	103	....	....	....	15	1,300.00	.....	50	....	....	....		.....	....	.....	.....	153
1915	1,698.40	28,610	120	21	1.27	5.9		1,336.85	17,550	30	50	2.23	7.6	15	.....	1	.....	.....	171
1916	1,812.29	36,931	135	24	1.18	5.4		1,364.47	21,999	46	38	2.37	6.2		227.52	1	.....	.....	182
1917	2,330.67	36,311	162	20	1.31	6.4		1,546.53	17,564	47	31	2.58	8.8		438.22	1	20	21.91	210
1918	2,595.85	44,875	174	21	1.24	5.8		1,493.85	20,577	47	36	2.65	7.3		382.03	1	20	19.10	222
1919	3,086.06	62,282	182	29	1.41	4.9		1,690.89	26,445	47	47	2.98	6.4		444.94	2	25	17.79	231
1920	3,808.56	83,871	192	36	1.61	4.5		2,242.15	38,060	47	66	4.00	5.8		569.08	2	25	14.23	241
1921	4,987.06	80,842	212	32	1.96	6.2		2,925.86	29,833	49	51	4.97	9.8		595.07	2	25	23.80	263
1922	5,754.06	77,677	230	29	2.17	7.4		2,731.95	31,810	52	53	4.55	8.6		698.10	2	25	27.92	284
1923	6,124.53	89,708	253	29	2.01	6.8		2,558.82	33,050	58	61	3.67	7.7		829.65	2	25	33.18	313
1924	4,703.97	116,772	243	39	1.58	4.1		2,078.22	38,855	57	57	3.04	5.3		1,153.72	3	48	24.08	303
1925	4,583.72	134,393	249	45	1.55	3.4		2,100.06	44,178	57	65	3.07	4.7		1,138.12	3	50	22.76	309
Woodbridge—																			
1915	367.49	4,878	42	....	....	7.5	None	443.53	4,911	33	....	....	9.0	None	498.44	2	.....	.....	77
1916	507.10	7,059	58	13	89	7.0		556.82	7,048	33	17	1.40	7.9		2,221.33	7	.....	.....	98
1917	698.53	10,180	69	14	92	6.9		579.56	13,356	35	33	1.42	4.3		2 384.67	6	74	32.25	110
1918	809.54	12,013	74	13	91	6.7		590.37	10,263	34	25	1.45	5.8		2,620.39	9	92	28.48	117
1919	905.44	14,424	85	14	89	6.3		628.07	11,951	40	25	1.31	5.2		4,167.78	5	129	32.31	130
1920	1,053.78	21,867	98	20	95	5.0		672.50	14,602	40	30	1.40	4.6		5,716.29	5	155	36.88	143
1921	1,296.84	28,925	115	21	94	4.5		748.34	18,654	36	43	1.73	4.0		3,411.24	5	149	22.89	156
1922	1,538.54	33,060	137	22	1.02	4.6		854.75	19,044	42	41	1.83	4.5		3,945.84	5	164	24.06	184
1923	1,992.80	47,979	151	26	1.16	4.1		1,083.35	33,370	49	56	1.84	3.2		4,417.52	6	176	25.09	206
1924	2,241.89	75,072	163	40	1.19	3.0		897.02	34,778	45	62	1.59	2.6		4,676.54	6	177	26.42	214
1925	2,530.73	116,883	175	56	1.20	2.1		946.41	39,520	44	75	1.79	2.4		5,580.62	6	191	29.21	225

†Nine months.

STATEMENT "D"—Concluded

Comparative Statistics Relating to the Supply of Electrical Energy in Hydro Municipalities—Group III—SMALL MUNICIPALITIES

Municipality / Year	Domestic service							Commercial light service							Power service				Total number of consumers
	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior to Hydro	Revenue	Consumption	Number of consumers	Av'g monthly consumption	Average monthly bill	Net cost per kw-hr.	Net cost prior ot Hydro	Revenue	Number of consumers	Average horsepower	Average cost per horsepower	
	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.	kw-hrs.		kw-hr.	$ c.	cts.	cts.	$ c.			$ c.	
Woodville—																			
1915	324.34	.....	35	....	....	....	12.5	563.68	.....	28	....	....	....	12.5	1,149.17	3	.....	.....	66
1916	496.52	5,049	41	9	92	9.8		512.07	6,618	24	21	1.62	7.7		1,185.54	3	.....	.....	68
1917	689.70	7,741	51	14	1.25	8.9		591.94	8,512	23	31	2.15	7.0		1,072.28	3	50	21.45	77
1918	722.80	7,373	50	12	1.20	9.8		535.67	6,920	26	26	1.55	7.7		1,152.77	3	50	23.06	79
1919	847.09	10,067	58	15	1.22	8.4		637.49	9,434	27	29	1.97	6.7		1,218.70	3	50	24.36	88
1920	1,423.96	14,060	80	17	1.72	10.1		1,122.12	11,569	25	37	3.56	9.6		1,296.75	3	50	25.93	108
1921	2,195.02	20,723	84	21	2.18	10.6		1,330.14	11,580	28	35	3.96	11.5		1,846.69	3	50	36.93	115
1922	2,079.40	20,585	87	20	2.04	10.1		1,341.09	13,940	29	41	3.99	9.6		1,470.02	3	50	29.40	119
1923	2,068.96	27,029	90	25	1.91	7.6		1,346.33	10,579	29	30	3.86	12.7		1,855.48	3	56	33.15	122
1924	2,559.15	31,788	90	29	2.37	8.2		1,326.80	17,167	27	51	3.95	7.7		1,566.83	3	44	35.77	120
1925	1,951.75	31,392	94	28	1.77	6.3		1,164.99	17,095	26	54	3.66	6.8		1,443.80	3	48	30.08	123
Wyoming—																			
1917	658.99	9,309	56	12	98	7.1	None	581.47	8,065	34	20	1.43	7.1	None	.....	....	.....	.....	90
1918	718.62	10,125	57	15	1.06	7.0		593.40	8,273	32	20	1.49	7.1		.....	....	.....	.....	89
1919	777.48	10,951	68	13	95	7.3		637.26	7,541	33	19	1.61	8.4		73.10	1	.....	.....	102
1920	1,116.01	13,140	78	15	1.27	8.5		953.51	10,000	20	31	2.91	9.5		665.29	2	22	30.25	122
1921	1,550.65	16,511	86	17	1.57	9.2		1,226.83	13,928	39	30	2.62	8.8		747.17	4	36	20.75	129
1922	1,696.84	21,139	94	20	1.57	7.8		1,218.89	19,245	39	41	2.61	6.3		628.67	2	26	24.20	131
1923	1,787.90	27,588	97	24	1.56	6.5		1,164.22	19,357	41	39	2.38	6.0		372.61	2	14	26.62	140
1924	1,656.80	19,850	94	17	1.45	8.5		1,084.82	20,784	48	39	2.03	5.2		362.50	2	14	25.89	144
1925	1,663.95	27,654	107	22	1.30	6.0		1,121.30	14,642	41	30	2.28	7.6		369.25	2	14	26.37	150
York, East Twp.—																			
†1925	42,145.91	.....	5,681	....	....	....		3,301.07	.....	166	....	....	....		16,820.26	19	.....	.....	5,866
York, North Twp.—																			
‡1924	14,797.22	.....	655	....	....	....		1,798.39	.....	37	....	....	....		1,720.29	10	.....	.....	702
1925	23,493.28	616,506	877	58	2.23	3.8		2,862.98	61,162	45	113	5.30	4.6		5,018.59	9	191	26.27	931

Zurich—																				
1918	810.66	5,785	49	8	1.17	14.0	Flat	873.86	5,623	33	12	1.89	15.5	Flat	3,084.22	1	50	61.68	83
1919	878.22	7,441	52	12	1.41	11.8		766.98	5,546	36	13	1.78	13.8		2,710.24	2	53	51.14	90
1920	881.70	8,503	55	13	1.36	10.4		991.52	7,701	39	24	3.18	12.9		2,773.80	2	59	47.00	96
1921	954.55	9,612	59	14	1.35	9.9		1,009.12	9,847	39	21	2.16	10.2		2,343.29	2	54	43.39	100
1922	1,062.95	11,802	65	16	1.43	9.0		1,132.66	11,282	42	24	2.36	10.0		2,172.10	3	57	38.11	110
1923	1,327.15	15,640	75	17	1.49	8.4		1,125.33	13,504	43	26	2.18	8.3		2,123.87	4	58	36.62	122
1924	1,470.91	23,880	86	24	1.51	6.3		1,034.53	14,597	42	29	2.05	7.1		2,295.35	4	66	34.78	132
1925	1,804.88	30,487	90	29	1.71	5.9		1,180.54	16,267	42	32	2.34	7.3		2,616.84	4	65	40.26	136

†Five months. ‡Thirteen months.

STATEMENT "E"

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Acton	1,872	116 61 2	80 c.p. *s* 100 watt *m* 200 watt *m*	12.00 12.00 12.00	2,142.00	1.14
Agincourt	.....	26 20	100 watt *m* 100 watt *m*	17.00 15.00	742.00	**
Ailsa Craig	526	56	100 watt *m*	12.00	672.00	1.28
Alexandria	2,217	129	100 watt *m*	22.00	2,838.00	1.28
Alliston	1,349	101 12	100 c.p. *s* 100 watt *m*	20.00 20.00	2,278.30	1.69
Alvinston	624	86	100 watt *m*	20.00	1,720.00	2.76
Ancaster Twp	.....	70	100 watt *m*	12.00	840.00	**
Apple Hill	.....	23	100 watt *m*	25.00	575.00	**
Arthur	1,156	78 4	100 watt *m* 200 watt *m*	25.00 38.00	2,068.76	1.79
Aylmer	2,198	145 13	100 watt *m* 300 watt *m*	15.00 33.00	2,624.80	1.19
Ayr	808	80	100 watt *m*	14.00	1,126.98	1.39
Baden	.....	61	100 watt *m*	9.00	549.00	**
Barrie	7,216	15 438 23 24	100 watt *m* 150 c.p. *s* 300 watt *m* 200 watt *m*	15.00 8.00 22.00 18.00	4,582.66	0.64
Barton Twp	.....	250 28	100 watt *m* 200 watt *m*	12.00 24.00	3,736.00	**
Beachville	.....	45	100 watt *m*	11.00	495.00	**
Beaverton	924	92 8	100 watt *m* 100 watt *m*	14.00 8.00	1,351.96	1.46
Beeton	561	63 14	100 c.p. *s* 100 watt *m*	16.00 16.00	1,232.00	2.20
Belle River	590	61	100 watt *m*	18.00	1,098.00	1.86
Blenheim	1,550	140 17	150 c.p. *s* 400 c.p. *s*	15.00 34.00	2,482.00	1.60
Bloomfield	628	43	100 c.p. *s*	25.00	1,075.00	1.71
Blyth	618	88 9	100 watt *m* 200 watt *m*	25.00 40.00	2,507.70	4.06
Bolton	642	55	100 watt *m*	16.00	880.08	1.37
Bothwell	635	89	100 watt *m*	13.00	1,157.04	1.82

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Bradford	986	60	150 c.p. *s*	22.00	1,474.20	1.50
		7	100 watt *m*	21.00		
Brampton	4,778	623	100 watt *m*	7.00	4,369.50	0.91
Brantford	29,148	150	Mag. arcs *s*	45.00	35,315.12	1.31
		3460	100 watt *m*	8.00		
		10	150 watt *m*	9.00		
		12	200 watt *m*	11.00		
		2	500 watt *m*	45.00		
		14	750 watt *m*	46.00		
Brantford Twp		250	100 watt *m*	16.00	4,289.36	**
Brechin		20	100 watt *m*	22.00	440.00	**
Brigden		36	60 watt *m*	15.00	864.00	**
		18	100 watt *m*	18.00		
Brockville	9,202	530	100 c.p. *s*	13.00	9,374.00	1.02
		40	3-Lt. stds. *m*	23.00		
		51	5-Lt. stds. *m*	28.00		
		15	1-Lt. stds. *m*	18.00		
Brussels	905	80	100 watt *m*	25.00	2,640.00	2.92
		16	200 watt *m*	40.00		
Burford		64	100 watt *m*	15.00	960.00	**
Burgessville		21	100 watt *m*	16.00	336.00	**
Caledonia	1,350	130	100 watt *m*	9.00	1,157.40	0.86
Campbellville		14	100 watt *m*	30.00	420.00	**
Cannington	919	73	100 watt *m*	18.00	1,314.00	1.43
Carleton Place	4,328	248	100 watt *m*	8.00	1,919.68	0.44
Cayuga	773	69	100 watt *m*	22.00	1,767.78	†
Chatham	14,182	68	1,000 c.p. *s*	40.00	15,823.29	1.12
		90	600 c.p. *s*	32.00		
		699	150 c.p. *s*	14.00		
		37	150 c.p. *s*	13.00		
Chatsworth	285	28	150 watt *m*	15.00	444.00	1.56
		2	100 watt *m*	12.00		
Chesley	1,720	109	100 c.p. *s*	15.00	1,623.75	0.94
Chesterville	1,010	65	100 watt *m*	17.00	1,156.00	1.15
Chippawa	1,087	76	100 watt *m*	12.00	904.50	0.83
Clifford	511	53	100 watt *m*	25.00	1,325.02	2.59
Clinton	1,940	143	150 c.p. *s*	12.00	1,940.25	1.00
		11	100 watt *m*	12.00		
		1	500 watt *m*	75.00		

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.
†Thirteen months' operation.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Coldwater	600	48	100 watt *m*	10.00	472.50	0.79
Collingwood	6,796	417	150 c.p. *s*	8.00	3,328.00	0.49
Comber		54	100 watt *m*	13.00	654.37	**
Cookstown		56	100 c.p. *s*	14.00	806.17	**
Courtright	429	41	100 watt *m*	30.00	1,230.00	2.87
Creemore	657	57	100 watt *m*	10.00	570.00	0.87
Dashwood		41	100 watt *m*	15.00	615.00	**
Delaware		18	100 watt *m*	18.00	324.00	**
Dorchester		32	100 watt *m*	13.00	416.00	**
Drayton	540	60	100 watt *m*	17.00	1,020.00	1.89
Dresden	1,433	124	100 c.p. *s*	14.00	1,726.68	1.20
Drumbo		38	100 watt *m*	14.00	532.00	**
Dublin		36	100 watt *m*	20.00	720.00	**
Dundalk	690	79	100 watt *m*	10.00	790.00	1.15
Dundas	5,119	317 7 7	100 watt *m* 200 watt *m* 500 watt *m*	11.00 16.00 36.00	3,861.09	0.75
Dunnville	3,434	220 27	100 c.p. *s* 600 c.p. *s*	14.00 65.00	4,715.04	1.37
Durham	1,580	104	150 c.p. *s*	16.00	1,637.32	1.03
Dutton	813	103	100 watt *m*	10.00	1,020.24	1.25
Elmira	2,405	182 8	100 watt *m* 200 watt *m*	11.00 16.00	2,130.00	0.89
Elmvale		57 1	100 watt *m* 200 watt *m*	12.00 24.00	692.00	**
Elmwood		23	150 watt *m*	18.00	414.00	**
Elora	1,079	95	100 watt *m*	16.00	1,501.80	1.39
Embro	467	47	100 watt *m*	16.00	768.18	1.64
Erieau	80	20	100 watt *m*	22.00	439.99	†
Essex	1,540	21 72	100 watt *m* 60 watt *m*	27.74 15.61	1,703.69	1.11
Etobicoke Twp.		827	100 watt *m*	14.00	10,495.05	**
Exeter	1,527	163 23	100 watt *m* 200 watt *m*	10.00 20.00	2,079.72	1.36

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.
†Summer population not in statistics.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Fergus	1,765	30 121	150 watt *m* 100 watt *m*	16.00 16.00	2,451.76	1.39
Flesherton	482	47	100 watt *m*	12.00	564.00	1.17
Ford City	6,781	166	100 watt *m*	12.00	1,992.15	††
Forest	1,462	36 192 19	100 watt *m* 60 watt *m* 100 watt *m*	11.00 10.00 14.00	2,545.40	1.74
Galt	12,880	966 316 152 74	100 c.p. *s* 100 watt *m* 300 watt *m* 500 watt *m*	9.00 12.00 35.00 40.00	20,819.25	1.61
Georgetown	1,971	167 17	100 watt *m* 100 watt *m*	12.00 12.00	2,202.00	†
Glencoe	751	123	100 watt *m*	17.00	2,091.00	2.49
Goderich	4,224	295 16 8 8	100 c.p. *s* 3-Lt. stds. *m* 250 watt *m* 100 watt *m*	11.00 40.00 25.00 20.00	4,245.00	1.01
Grand Valley	654	52	100 watt *m*	16.00	832.00	1.27
Granton	.....	33	100 watt *m*	13.00	422.50	**
Gravenhurst	1,751	24 100 16	150 c.p. *s* 100 c.p. *s* 100 watt *m*	15.00 15.00 15.00	2,280.75	1.30
Guelph	18,875	13 1125 26 1 2 84	60 watt *m* 100 watt *m* 200 watt *m* 500 watt *m* 1,000 watt *m* 300 watt *m*	4.00 10.00 12.50 25.00 46.50 18.75	12,463.09	0.66
Hagersville	1,107	100	100 watt *m*	10.00	1,000.00	0.90
Hamilton	122,495	7982 1016 389 23 23	100 watt *m* 200 watt *m* 500 watt *m* 300 watt *m* 750 watt *m*	7.50 11.00 37.00 18.00 55.00	85,975.89	0.70
Hanover	2,852	91 16 12 4	150 c.p. *s* 400 c.p. *s* 200 watt *m* 100 watt *m*	27.00 32.00 32.00 27.00	3,423.58	1.20
Harriston	1,273	88	150 c.p. *s*	17.00	1,473.27	0.99
Harrow	.....	50	100 watt *m*	.....	503.56	**
Havelock	1,229	63 16	100 c.p. *s* 250 c.p. *s*	24.00 34.00	2,056.00	1.67

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.
†Includes Glen Williams. ††Part of cost paid in the form of debenture charges.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Hensall	721	65	100 watt *m*	15.00	975.00	1.35
Hespeler	2,826	135	150 c.p. *s*	11.00	2,002.66	0.71
		30	400 c.p. *s*	17.50		
Highgate	394	46	100 watt *m*	12.00	541.00	1.37
Holstein	.....	14	100 watt *m*	35.00	490.00	**
Humberstone	1,441	.....	.....	.....	1,168.88	0.80
Huntsville	2,460	46	125 c.p. *s*	12.50	2,265.00	0.92
		27	400 c.p. *s*	36.00		
		56	75 watt *m*	10.00		
		13	50 watt *m*	10.00		
Ingersoll	4,932	316	100 c.p. *s*	13.00	5,289.49	1.07
		26	1,000 c.p. *s*	40.00		
		2	1,000 c.p. *s*	25.00		
		13	100 c.p. *s*	6.50		
		2	600 c.p. *s*	30.00		
Jarvis	466	44	100 watt *m*	19.00	836.67	1.80
Kemptville	1,246	78	100 watt *m*	20.50	1,599.00	1.28
Kincardine	2,036	13	400 c.p. *s*	29.00	3,784.00	1.85
		112	150 c.p. *s*	24.00		
		13	200 watt *m*	29.00		
		19	100 watt *m*	18.00		
Kingston	21,659	53	1,000 c.p. *s*	.....	20,000.00	0.92
		337	600 c.p. *s*	.....		
		85	100 c.p. *s*	.....		
Kingsville	2,215	100	60 watt *m*	.....	2,337.10	1.06
		4	200 watt *m*	.....		
		45	600 c.p. *s*	.....		
		91	400 c.p. *s*	.....		
Kirkfield	.....	23	100 watt *m*	20.00	460.00	**
Kitchener	24,280	16	1,000 c.p. *s*	30.00	31,776.67	1.31
		22	250 c.p. *s*	17.35		
		58	100 watt *m*	10.00		
		1850	80 c.p. *s*	10.00		
		333	200 watt *m*	12.00		
		125	500 watt *m*	30.00		
		43	16 c.p. *s*	10.00		
		169	300 watt *m*	22.00		
Lakefield	1,189	98	100 watt *m*	20.00	1,923.31	1.62
Lambeth	.....	1	200 watt *m*	27.00	545.66	**
		32	100 watt *m*	16.00		
Lanark	613	36	100 watt *m*	20.00	710.00	1.16
Lancaster	585	41	100 watt *m*	36.50	1,496.50	2.56

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Leamington	4,001	59	600 c.p. *s*	50.00	5,959.90	1.49
		28	400 c.p. *s*	.....		
		117	100 watt *m*	25.55		
		20	200 watt *m*	.....		
Listowel	2,389	72	100 watt *m*	12.50	3,720.00	1.56
		172	60 watt *m*	12.00		
		27	300 watt *m*	30.00		
London	61,867	277	400 c.p. *s*	18.00	40,146.43	0.65
		2362	150 c.p. *s*	11.00		
		92	500 watt *m*	45.00		
		146	100 watt *m*	11.00		
London Twp	.....	46	100 watt *m*	9.00	241.50	**
Lucan	614	67	100 watt *m*	15.00	1,005.00	1.64
Lucknow	921	56	100 watt *m*	25.00	1,400.00	1.52
Lynden	.....	33	100 watt *m*	12.00	396.00	**
Markdale	922	81	150 c.p. *s*	10.00	753.37	0.82
Markham	950	35	150 watt *m*	19.00	1,717.00	1.81
		44	100 watt *m*	18.00		
		20	60 watt *m*	13.00		
Marmora	763	40	100 watt *m*	24.00	2,088.00	2.74
		47	75 watt *m*	24.00		
Martintown	.....	15	100 watt *m*	25.00	375.00	**
Maxville	758	56	150 c.p. *s*	35.00	1,881.02	2.48
Meaford	2,653	131	100 c.p. *s*	20.00	3,552.30	1.34
		33	200 watt *m*	30.00		
Merlin	.....	40	100 watt *m*	19.50	780.00	**
Merritton	2,574	282	100 watt *m*	10.00	2,822.50	1.10
Midland	7,346	36	500 watt *m*	44.00	4,766.84	0.65
		13	500 watt *m*	35.00		
		351	150 c.p. *s*	10.00		
Milton	1,950	198	100 watt *m*	11.00	2,160.67	1.11
Milverton	1,059	85	100 watt *m*	10.00	1,054.08	1.00
		12	200 watt *m*	17.00		
Mimico	4,486	220	100 watt *m*	13.00	4,245.48	0.95
		63	200 watt *m*	23.00		
Mitchell	1,731	202	100 c.p. *s*	11.00	2,233.00	1.29
Moorefield	.....	25	100 watt *m*	19.00	475.00	**
Mount Brydges	.....	40	100 watt *m*	13.00	520.00	**

*s*Series system. *m*Multiple system. **Population not shown in Government statistics

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Mount Forest	1,755	37	250 c.p. *s*	19.50	2,639.04	1.50
		131	150 c.p. *s*	13.00		
		17	100 watt *m*	13.00		
Neustadt	473	39	150 c.p. *s*	25.00	975.00	2.06
Newbury	286	46	100 watt *m*	18.00	828.00	2.89
New Hamburg	1,441	240	100 watt *m*	11.50	2,760.00	1.92
New Toronto	3,917	60	200 watt *m*	27.00	4,270.00	1.10
		178	75 watt *m*	15.00		
Niagara Falls	15,936	201	1,000 c.p. *s*	57.00	24,055.26	1.51
		722	100 c.p. *s*	12.00		
		142	600 c.p. *s*	57.00		
Niagara-on-the-Lake	1,626	184	100 watt *m*	11.00	2,333.11	1.43
		16	200 watt *m*	18.00		
Nipigon	.....	15	100 watt *m*	27.50	405.00	**
Norwich	1,316	114	100 watt *m*	12.00	2,459.26	1.87
		22	400 watt *m*	42.00		
Norwood	765	82	100 c.p. *s*	23.00	1,913.00	2.50
		2	80 c.p. *s*	13.50		
North York Twp	.....	5	100 watt *m*	16.50	109.62	**
		5	100 watt *m*	12.00		
		3	200 watt *m*	33.50		
Oil Springs	452	43	100 watt *m*	16.00	688.00	1.52
Omemee	464	42	150 c.p. *s*	14.00	868.08	1.87
		10	400 c.p. *s*	28.00		
Orangeville	2,656	56	400 c.p. *s*	30.00	3,893.75	1.47
		92	150 c.p. *s*	24.00		
Ottawa	118,700	405	100 c.p. *s*	7.00	41,728.03	0.35
		355	400 c.p. *s*	25.00		
		732	600 c.p. *s*	35.00		
		387	150 c.p. *s*	6.00		
		2900	100 watt *m*	48c. per ft.	16,138.68	†
Otterville	.....	29	100 watt *m*	13.00	377.00	**
Owen Sound	11,935	29	250 c.p. *s*	13.50	8,233.00	0.69
		431	150 c.p. *s*	13.00		
		11	300 c.p. *s*	16.00		
		26	600 c.p. *s*	23.00		
		90	100 watt *m*	11.00		
		43	200 watt *m*	14.00		
Paisley	793	86	100 watt *m*	22.00	1,892.00	2.39
Palmerston	1,525	110	80 c.p. *s*	13.00	2,070.00	1.36
		13	250 c.p. *s*	40.00		
		3	300 watt *m*	40.00		
Paris	4,184	418	100 c.p. *s*	9.00	5,719.50	1.37
		13	400 c.p. *s*	42.00		
		25	500 watt *m*	52.50		

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.
†Collected as local improvement on frontage basis and not included in average cost.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Parkhill	1,064	74	100 watt *m*	14.00	1,380.98	1.30
		15	200 watt *m*	23.00		
Penetang	3,868	184	100 c.p. *s*	10.00	1,880.00	0.49
Perth	3,639	58	100 c.p. *s*	22.00	2,508.55	0.69
		9	250 c.p. *s*	34.00		
		4	400 c.p. *s*	46.00		
		16	600 c.p. *s*	64.00		
Peterborough	21,661	1	500 watt *m*	34.00	16,178.00	0.75
		97	Magnetite arcs	50.50		
		1102	60 watt *m*	9.00		
		9	300 watt *m*	19.00		
		104	100 watt *m*	10.00		
		8	300 watt *m*	24.00		
Petrolia	2,709	146	150 c.p. *s*	14.00	3,162.00	1.16
		24	400 c.p. *s*	45.00		
Picton	3,108	207	100 c.p. *s*	10.00	2,873.37	0.96
		85	250 c.p. *s*	10.00		
Plattsville	.....	33	100 watt *m*	18.00	593.50	**
Point Edward	1,116	58	150 c.p. *s*	15.00	860.00	0.77
Port Arthur	16,351	2,783	..... *m*	.....	18,249.79	1.12
Port Colborne	3,961	203	100 watt *m*	16.00	3,641.54	0.92
Port Credit	1,225	132	100 watt *m*	11.00	1,337.72	1.09
Port Dalhousie	1,417	85	100 watt *m*	18.00	1,633.50	1.15
Port Dover	1,643	13	300 watt *m*	40.00	2,234.00	1.36
		107	100 watt *m*	18.00		
Port McNicoll	630	42	100 watt *m*	13.00	546.00	0.87
Port Perry	1,150	94	100 watt *m*	20.00	1,880.04	1.63
Port Stanley	727	165	100 watt *m*	13.00	2,145.00	†
Prescott	2,605	163	100 watt *m*	10.00	3,415.00	1.31
		105	2-Lt. brckts *m*	17.00		
Preston	5,509	1	600 c.p. *s*	21.00	5,593.13	1.02
		293	150 c.p. *s*	11.00		
		35	1,000 c.p. *s*	48.00		
		6	1,000 c.p. *s*	41.00		
		8	400 c.p. *s*	23.00		
		6	5-Lt. stds.	50.00		
Priceville	.....	14	100 watt *m*	31.50	441.00	**
Princeton	.....	21	100 watt *m*	20.00	420.00	**
Queenston	.....	31	100 watt *m*	16.00	494.73	**

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.
†Summer population not in statistics.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Ridgetown	1,957	139 18	150 c.p. *s* 600 c.p. *s*	14.00 30.00	2,456.20	1.26
Ripley	.....	49	100 watt *m*	27.00	1,323.00	**
Riverside	3,034	73 65	250 c.p. *s* 100 watt *m*	27.50 12.00	1,872.60	††
Rockwood	.....	69	100 watt *m*	12.00	828.00	**
Rodney	711	83	100 watt *m*	13.00	1,069.20	1.50
St. Catharines	21,141	2,888	100 watt *m*	7.50	22,095.74	1.05
St. George	.....	36	100 watt *m*	9.00	324.00	**
St. Jacobs	.....	43	100 watt *m*	12.00	480.00	**
St. Marys	3,971	220 124	100 c.p. *s* 250 c.p. *s*	10.00 16.00	4,157.45	1.05
St. Thomas	17,327	28 114 1064	250 c.p. *s* 600 c.p. *s* 100 c.p. *s*	14.25 37.50 9.50	14,743.18	0.85
Sandwich	6,059	407 74 10	100 c.p. *s* 400 c.p. *s* 100 watt *m*	13.00 28.00 13.00	6,726.54	1.11
Sarnia	15,274	78 676	1,000 c.p. *s* 150 c.p. *s*	45.00 13.00	12,257.89	0.80
Scarboro' Twp	.....	427 117	100 watt *m* 150 c.p. *s*	15.00 17.00	8,103.46	**
Seaforth	1,847	71 63 21	80 c.p. *s* 60 c.p. *s* 60 c.p. *s*	12.00 10.00 12.00	1,734.00	0.94
Shelburne	1,120	92	150 c.p. *s*	12.00	1,095.00	0.98
Simcoe	4,118	27 257 11	250 c.p. *s* 100 c.p. *s* 150 watt *m*	25.00 9.00 9.00	3,126.50	0.76
Smiths Falls	6,795	6 12 206 88	50 watt *m* 60 watt *m* 100 watt *m* 300 watt *m*	14.00 14.00 14.00 25.00	4,439.40	0.65
Springfield	391	47	100 watt *m*	17.00	797.67	2.04
Stamford Twp	.....	515	100 watt *m*	10.00	4,782.51	**
Stayner	966	17 63	200 c.p. *m* 150 c.p. *s*	15.00 11.00	948.00	0.98
Stouffville	1,071	93	100 watt *m*	23.00	2,139.00	2.00

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.
††Part of cost paid direct in the form of debenture charges.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Stratford	18,425	811	150 c.p. *s*	11.00	20,001.98	1.09
		11	1,000 c.p. *s*	60.00		
		62	1,000 c.p. *s*	45.00		
		167	1,000 c.p. *s*	50.00		
Strathroy	2,642	314	100 c.p. *s*	9.00	3,290.25	1.24
		32	250 c.p. *s*	15.00		
Sunderland		27	100 watt *m*	20.00	540.00	**
Sutton	891	103	100 watt *m*	23.00	2,369.00	2.66
Tara	490	66	100 watt *m*	25.00	1,650.00	3.41
Tavistock	1,008	72	100 watt *m*	12.00	1,442.74	1.43
		35	200 watt *m*	16.00		
Tecumseh	1,665	42	100 watt *m*	14.00	446.64	††
Teeswater	802	20	400 c.p. *s*	45.00	1,810.00	2.26
		33	150 c.p. *s*	28.00		
Thamesford		34	100 watt *m*	15.00	510.00	**
Thamesville	805	79	100 watt *m*	10.00	785.00	0.98
Thedford	580	65	100 watt *m*	20.00	1,300.00	2.24
Thorndale		28	100 watt *m*	16.00	448.00	**
Thornton		21	100 watt *m*	40.00	840.00	**
Thorold	5,292	73	100 watt *m*	10.00	3,305.00	0.62
		249	60 watt *m*	7.00		
		32	200 watt *m*	15.00		
		22	4-Lt. clstr. *m*	16.00		
Tilbury	1,982	96	100 watt *m*	11.00	1,056.00	0.53
Tillsonburg	3,113	48	250 c.p. *s*	16.00	3,327.31	1.07
		2	1,000 c.p. *s*	50.00		
		247	100 c.p. *s*	10.00		
Toronto	538,771	7	50 watt *m*	6.56	456,454.76	0.85
		6	60 watt *m*	4.80		
		43702	100 watt *m*	8.00–12.00		
		119	150 watt *m*	12.00–15.00		
		1146	200 watt *m*	18.00–23.00		
		91	250 watt *m*	20.00–24.50		
		1331	300 watt *m*	28.00		
		52	500 watt *m*	45.00		
		5	1,000 watt *m*	90.00		
		439	5-Lt. stds. *m*	47.50		
		24	1-Lt. stds., 500 watt *m*	52.50		
		391	1-Lt. stds., 300 watt *m*	50.00		

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.
††Part of cost paid direct in the form of debenture charges.

STATEMENT "E"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Toronto Twp.	.....	11	100 watt *m*	16.50	3,794.55	**
		155	100 watt *m*	19.00		
		48	100 watt *m*	18.50		
		1	200 watt *m*	66.00		
Tottenham	523	49	150 c.p. *s*	25.00	1,225.08	2.34
Uxbridge	1,446	127	100 watt *m*	18.00	2,278.50	1.58
Victoria Harbour	1,454	76	100 watt *m*	11.00	805.75	0.55
Walkerville	8,088	57	600 c.p. *s*	55.00	10,659.59	††
		465	60 watt *m*	8.00		
		403	100 watt *m*	10.00		
Wallaceburg	4,530	179	150 c.p. *s*	12.00	2,872.92	0.63
		29	600 c.p. *s*	25.00		
Wardsville	219	34	75 watt *m*	20.00	658.30	3.01
Warkworth	.....	25	100 watt *m*	30.00	930.00	**
		6	200 watt *m*	30.00		
Waterdown	836	87	100 watt *m*	10.00	870.00	1.04
Waterford	1,040	126	100 watt *m*	10.00	1,254.60	1.21
Waterloo	6,478	4	1-Lt. stds. *s*	35.00	7,054.14	1.09
		3	1-Lt. stds. *s*	30.00		
		437	100 c.p. *s*	10.00		
		38	100 watt *m*	10.00		
		12	200 watt *m*	15.00		
		44	5-Lt. stds *m*	40.00		
		10	3-Lt. stds. *m*	25.00		
Watford	1,023	92	100 watt *m*	12.00	1,098.00	1.07
Waubaushene	.....	38	100 watt *m*	10.00	380.00	**
Welland	8,705	124	200 watt *m*	18.00	7,226 01	0.83
		450	100 watt *m*	11.00		
Wellesley	.....	59	100 watt *m*	15.00	885.50	**
Wellington	790	65	100 c.p. *s*	14.00	909.96	1.15
West Lorne	772	81	100 watt *m*	10.00	990.00	1.28
		10	200 watt *m*	18.00		
Weston	3,965	108	600 c.p. *s*	50.00	10,044.85	2.53
		445	100 c.p. *s*	8.00		
		10	100 c.p. *s*	16.00		
		5	5-Lt. stds. *m*	25.00		
		20	300 watt *m*	20.00		
		2	100 watt *m*	8.00		
Wheatley	693	55	100 watt *m*	25.00	1,412.50	2.04

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.
††Part of cost paid direct in the form of debenture charges.

STATEMENT "E"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1925, showing Cost per Year, Cost per Lamp, and Cost per Capita

Municipality	Population	Number of lamps	Size and style of lamps	Cost per lamp per annum	Total cost per annum	Cost per capita
				$ c.	$ c.	$ c.
Whitby	4,360	209	80 c.p. *s*	7.50	2,662.98	0.61
		118	100 watt *m*	7.50		
		1	500 watt *m*	11.50		
Williamsburg		19	100 watt *m*	15.00	285.00	**
Winchester	1,072	117	100 watt *m*	10.00	1,170.00	1.09
Windsor	47,177	2457	100 c.p. *s*	13.00	64,127.34	††
		433	400 c.p. *s*	28.00		
		481	600 c.p. *s*	50.00		
Wingham	2,440	92	150 c.p. *s*	28.00	4,446.64	1.82
		25	400 c.p. *s*	40.00		
		22	200 watt *m*	40.00		
Woodbridge	713	80	100 watt *m*	11.00	876.00	1.23
Woodstock	10,197	50	250 c.p. *s*	20.00	6,816.00	0.67
		451	100 c.p. *s*	8.00		
		172	60 watt *m*	8.00		
		107	100 watt *m*	8.00		
Woodville	447	36	100 watt *m*	15.00	540.00	1.21
Wyoming	504	50	100 watt *m*	20.00	1,000.00	1.99
York East Twp		628	100 watt *m*	16.50	4,731.27	**
		2	500 watt *m*	82.50		
York North Twp		44	200 watt *m*	24.50	471.20	**
		11	100 watt *m*	16.50		
		6	100 watt *m*	.....		
Zurich		62	100 watt *m*	12.00	744.00	**

*s*Series system. *m*Multiple system. **Population not shown in Government statistics.
††Part of cost paid direct in the form of debenture charges.

STATEMENT
Cost of Power to Hydro Municipalities

Municipality	Interim rates at which power is billed to the municipality and adjusted to cost at the end of the year													
	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Acton...d	.....	36.00	36.00	36.00	36.00	36.00	36.00	35.00	32.00	32.00	37.00	37.00	35.00	35.00
Agincourt...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.00	40.00	40.00
Ailsa Craig...d	.....	.....	.....	.....	49.67	49.67	49.67	49.00	49.00	49.00	49.00	49.00	49.00	49.00
Alexandria...d	.....	.....	.....	.....	.....	.....	.....	.....	65.00	80.00	80.00	80.00	80.00	80.00
Alliston...d	.....	.....	.....	.....	.....	.....	40.00	40.00	50.00	60.00	65.00	55.00	60.00	60.00
Alvinston...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95.95	95.95	85.00	55.00
Ancaster Twp...d	.....	.....	.....	.....	.....	.....	.....	25.81	25.81	25.81	25.81	25.81	25.81	25.81
Apple Hill...a	.....	.....	.....	.....	.....	.....	.....	.....	60.00	85.00	85.00	85.00	80.00	80.00
Arthur...d	.....	.....	.....	.....	.....	45.00	45.00	45.00	65.00	85.00	85.00	85.00	98.00	98.00
Aylmer...d	.....	.....	.....	.....	.....	.....	39.00	38.00	38.00	45.00	50.00	50.00	46.00	46.00
Ayr...d	.....	.....	.....	37.40	37.40	37.40	37.40	45.00	50.00	50.00	50.00	50.00	43.00	43.00
Baden...d	36.95	37.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	36.00	36.00	36.00	36.00
Barrie...d	.....	33.70	33.70	33.70	33.70	31.00	31.00	29.00	29.00	29.00	29.00	29.00	28.00	28.00
Barton Twp...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29.02	29.02
Beachville...d	33.89	31.00	31.00	31.00	31.00	28.00	28.00	27.00	27.00	30.00	37.00	37.00	36.00	36.00
Beaverton...d	.....	.....	.....	66.17	59.00	41.21	41.21	45.00	55.00	60.00	52.00	50.00	50.00	50.00
Beeton...d	.....	.....	.....	.....	.....	.....	45.00	45.00	85.00	85.00	85.00	75.00	75.00	75.00
Belle River...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	92.00	60.00	60.00
Blenheim...d	.....	.....	.....	.....	43.70	43.70	43.70	50.00	50.00	53.00	54.00	50.00	48.00	48.00
Bloomfield...d	.....	.....	.....	.....	.....	.....	.....	66.16	66.16	66.16	72.50	72.50	70.00	70.00
Blyth...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	91.20	91.20
Bolton...d	.....	.....	.....	43.00	43.00	43.00	43.00	43.00	60.00	60.00	60.00	60.00	55.00	55.00
Bothwell...d	.....	.....	.....	.....	59.26	59.26	59.26	60.00	60.00	60.00	55.00	55.00	50.00	50.00
Bradford...d	.....	.....	.....	.....	.....	.....	47.00	47.00	75.00	75.00	75.00	75.00	84.00	84.00
Brampton...b	29.00	25.00	25.00	25.00	24.00	22.00	22.00	22.00	20.00	20.00	26.00	28.00	30.00	30.00
Brantford...a	.....	.....	19.50	19.50	19.00	19.00	19.00	18.00	18.00	20.00	25.00	25.00	25.00	25.00
Brantford Twp...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brechin...d	.....	.....	.....	56.79	67.00	50.00	50.00	55.00	85.00	90.00	90.00	85.00	85.00	85.00
Bridgeport, ext...d	.....	.....	Served by Kitchener											
Brigden...d	.....	.....	.....	.....	.....	57.56	57.50	57.50	57.50	60.00	66.00	70.00	78.00	78.00
Brockville...d	.....	.....	.....	.....	.....	.....	30.00	40.00	45.19	55.00	55.00	40.00	38.00	38.00
Brussels...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76.16	76.16
Burford...d	.....	.....	.....	37.50	37.50	37.50	37.50	60.00	70.00	70.00	70.00	60.00	56.00	56.00
Burgessville...d	.....	.....	.....	.....	.....	48.38	48.38	48.00	48.00	48.00	52.00	58.00	55.00	55.00
Campbellville...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	80.00
Caledonia...d	29.10	29.10	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	29.00	29.00	29.00	29.00
Cannington...d	.....	.....	.....	65.77	63.00	45.79	45.79	50.00	65.00	65.00	65.00	55.00	55.00	55.00
Carleton Place...d	.....	.....	.....	.....	.....	.....	.....	33.00	33.00	44.00	44.00	44.00	46.50	46.50
Cayuga...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60.00
Chatham...a	.....	.....	.....	30.78	30.78	30.78	30.78	29.00	29.00	28.00	31.00	31.00	31.00	31.00
Chatsworth...d	.....	.....	.....	.....	30.18	30.18	30.18	30.00	45.00	60.00	70.00	60.00	50.00	50.00
Chesley...d	.....	.....	.....	.....	40.00	40.00	40.00	40.00	45.00	55.00	55.00	50.00	50.00	50.00
Chesterville...d	.....	.....	36.12	43.29	46.00	46.00	46.00	46.00	76.73	85.00	85.00	65.00	60.00	60.00
Chippawa...d	.....	.....	.....	.....	.....	.....	.....	35.00	35.00	32.00	32.00	25.00	30.00	30.00
Clifford...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100.50	100.50
Clinton...a	.....	.....	39.00	39.00	42.00	42.00	42.00	43.00	43.00	46.00	48.00	50.00	50.00	50.00
Coldwater...d	.....	28.00	28.00	28.00	28.00	28.00	28.00	40.00	50.00	60.00	60.00	40.00	35.00	35.00
Collingwood...d	.....	33.79	33.79	33.79	33.79	30.00	30.00	28.00	28.00	36.00	45.00	40.00	33.00	33.00
Comber...d	.....	.....	.....	.....	56.22	56.22	56.22	60.00	60.00	60.00	60.00	50.00	48.00	48.00
Cookstown...d	.....	.....	.....	.....	.....	.....	35.00	35.00	60.00	60.00	60.00	60.00	58.00	58.00
Courtright...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	97.30	97.30
Creemore...d	.....	.....	54.13	54.13	54.13	54.13	54.13	60.00	65.00	65.00	70.00	60.00	55.00	55.00
Dashwood...d	.....	.....	.....	.....	.....	.....	56.75	56.00	56.00	56.00	62.00	62.00	62.00	62.00
Delaware...d	.....	.....	.....	46.56	46.56	46.56	46.56	50.00	85.00	85.00	85.00	75.00	70.00	70.00
Dereham Twp...d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dorchester...d	.....	.....	.....	45.00	45.00	45.00	45.00	50.00	50.00	50.00	50.00	50.00	48.00	48.00
Drayton...d	.....	.....	.....	.....	.....	.....	60.45	60.00	65.00	70.00	72.00	70.00	68.00	68.00
Dresden...d	.....	.....	.....	43.00	43.00	43.00	43.00	42.00	38.00	38.00	38.00	38.00	38.00	38.00
Drumbo...d	.....	.....	.....	40.73	40.73	40.73	40.73	45.00	60.00	55.00	55.00	50.00	45.00	45.00
Dublin...d	.....	.....	.....	.....	.....	47.91	47.91	48.00	60.00	60.00	70.00	70.00	70.00	70.00
Dundalk...d	.....	.....	.....	.....	27.30	27.30	27.30	27.00	38.00	50.00	55.00	45.00	43.00	43.00
Dundas...b	17.00	16.00	15.00	15.00	14.00	14.00	14.00	14.00	14.00	17.00	22.00	23.00	23.00	23.00
Dunnville...a	.....	.....	.....	.....	.....	.....	27.77	27.77	35.00	40.00	50.00	42.00	38.00	38.00
Durham...d	.....	.....	.....	.....	33.97	33.97	33.97	33.00	45.00	50.00	50.00	40.00	38.00	38.00
Dutton...d	.....	.....	.....	43.53	43.53	43.53	43.53	43.00	40.00	40.00	44.00	44.00	43.00	43.00

Note *a*—Power delivered at 46,000, 26,400 or 22,000 volts.
Note *b*—Power delivered at 13,200 or 12,000 volts.
Note *c*—Power delivered at 6,600 volts.
Note *d*—Power delivered at 4,000 or 2,000 volts.

"F"
and Power Rates to Consumers

Power rates to consumers

1924						1925					
Service charge per h.p. per month	First 50 hr.per month per kw-hr.	Second 50 hr.per month per kw-hr.	All additional per kw-hr.	Maximum per horsepower per month net	Prompt payment discount	Service charge per h.p. per month	First 50 hr.per month per kw-hr.	Second 50 hr.per month per kw-hr.	All additional per kw-hr.	Maximum per horsepower per month net	Prompt payment discount
$ c.	cents	cents	cents	$ c.	%	$ c.	cents	cents	cents	$ c.	%
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	4.2	2.8	0.5	3.75	10	1.00	4.2	2.8	0.5	3.75	10
1.00	3.9	2.6	0.5	3.60	10	1.00	3.9	2.6	0.5	3.60	10
1.00	6.4	4.3	0.5	5.00	10	1.00	6.4	4.3	0.5	5.00	10
1.00	4.6	3.1	0.5	4.00	10	1.00	4.6	3.1	0.5	4.00	10
1.00	7.1	4.7	0.5	5.45	10	1.00	7.1	4.7	0.5	5.45	10
1.00	3.0	2.0	0.5	3.05	10	1.00	3.0	2.0	0.5	3.05	10
1.00	6.5	4.4	0.5	5.10	10	1.00	6.5	4.4	0.5	5.10	10
1.00	6.8	4.6	0.5	5.25	10	1.00	6.8	4.6	0.5	5.25	10
1.00	4.7	3.1	0.5	4.00	10	1.00	4.7	3.1	0.5	4.00	10
1.00	3.9	2.6	0.5	3.60	10	1.00	3.9	2.6	0.5	3.60	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	1.7	1.1	0.5	2.20	10 & 10	1.00	1.7	1.1	0.5	2.20	10 & 10
1.00	2.5	1.7	0.15	....	10	1.00	2.5	1.7	0.5	3.05	10
1.00	2.0	1.33	0.5	2.25	10 & 10	1.00	2.0	1.33	0.5	2.25	10 & 10
1.00	3.6	2.4	0.5	3.45	10	1.00	3.6	2.4	0.5	3.45	10
1.00	4.6	3.1	0.5	4.00	10	1.00	4.6	3.1	0.5	4.00	10
1.00	5.4	3.6	0.5	4.40	10	1.00	5.4	3.6	0.5	4.40	10
1.00	4.2	2.8	0.5	3.75	10	1.00	4.2	2.8	0.5	3.75	10
1.00	6.5	4.3	0.15	....	10	1.00	6.5	4.3	0.15	....	10
1.00	9.4	6.3	0.5	6.75	10	1.00	9.4	6.3	0.5	6.75	10
1.00	5.4	3.6	0.5	4.40	10	1.00	5.4	3.6	0.5	4.40	10
1.00	6.1	4.1	0.5	4.85	10	1.00	6.1	4.1	0.5	4.85	10
1.00	4.6	3.1	0.5	4.00	10	1.00	4.6	3.1	0.5	4.00	10
1.00	2.2	1.5	0.5	2.60	10	1.00	2.2	1.5	0.5	2.60	10
1.00	2.0	1.4	0.15	....	10	1.00	2.0	1.4	0.15	....	10
1.00	2.8	1.8	0.5	2.90	10	1.00	2.8	1.8	0.5	2.90	10
1.00	6.8	4.6	0.5	5.25	10	1.00	6.8	4.6	0.5	5.25	10
1.00	3.7	2.2	0.2	....	10	1.00	3.7	2.2	0.2	....	10
1.00	6.8	4.6	0.5	5.25	10	1.00	4.9	3.3	0.5	4.20	10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10
1.00	9.4	6.3	0.5	5.33	10	1.00	9.4	6.3	0.5	5.33	10
1.00	4.2	2.8	0.5	3.75	10	1.00	4.2	2.8	0.5	3.75	10
1.00	4.9	3.3	0.5	4.15	10	1.00	4.9	3.3	0.5	4.15	10
....	...	...	...	....	..	1.00	9.2	6.2	0.5	5.00	10
1.00	2.6	1.8	0.5	2.85	10	1.00	2.6	1.8	0.5	2.85	10
1.00	5.6	3.8	0.5	4.60	10	1.00	5.6	3.8	0.5	4.60	10
1.00	4.2	2.8	0.5	3.75	10	1.00	4.2	2.8	0.5	3.75	10
....	...	...	...	....	..	1.00	6.8	4.6	0.5	4.58	10
1.00	2.5	1.7	0.5	2.75	10	1.00	2.5	1.7	0.5	2.75	10
1.00	4.9	3.3	0.5	4.20	10	1.00	4.9	3.3	0.5	4.20	10
1.00	4.6	3.1	0.5	4.00	10	1.00	4.6	3.1	0.5	4.00	10
1.00	4.9	3.3	0.5	4.15	10	1.00	4.9	3.3	0.5	4.15	10
1.00	2.0	1.4	0.5	2.50	10	1.00	2.0	1.4	0.5	2.50	10
1.00	7.1	4.7	0.5	5.33	10	1.00	7.1	4.7	0.5	5.33	10
1.00	5.4	3.6	0.5	4.40	10	1.00	5.4	3.6	0.5	4.40	10
1.00	3.7	2.5	0.5	3.50	10	1.00	3.7	2.5	0.5	3.50	10
1.00	2.2	1.5	0.5	2.35	10 & 10	1.00	2.2	1.5	0.5	2.35	10 & 10
1.00	4.5	3.0	0.5	3.90	10	1.00	4.5	3.0	0.5	3.90	10
1.00	4.6	3.1	0.5	4.00	10	1.00	4.6	3.1	0.5	4.00	10
....	...	...	...	....	..	....	...	...	...	....	..
1.00	6.1	4.1	0.5	4.85	10	1.00	6.1	4.1	0.5	4.85	10
1.00	6.7	4.5	0.5	5.15	10	1.00	6.7	4.5	0.5	5.15	10
1.00	5.4	3.6	0.5	4.40	10	1.00	5.4	3.6	0.5	4.40	10
....	...	...	...	....	..	....	...	...	...	....	..
1.00	4.2	2.8	0.5	3.75	10	1.00	4.2	2.8	0.5	3.75	10
1.00	6.8	4.6	0.5	5.25	10	1.00	6.8	4.6	0.5	5.25	10
1.00	3.2	2.1	0.5	3.15	10	1.00	3.2	2.1	0.5	3.15	10
1.00	4.8	3.2	0.5	4.10	10	1.00	4.8	3.2	0.5	4.10	10
1.00	6.4	4.3	0.5	5.00	10	1.00	6.4	4.3	0.5	5.00	10
1.00	3.9	2.6	0.5	3.60	10	1.00	3.9	2.6	0.5	3.60	0
1.00	1.67	1.11	0.5	2.10	10 & 10	1.00	1.67	1.11	0.5	2.10	10 & 10
1.00	3.3	2.2	0.5	3.25	10	1.00	3.3	2.2	0.5	3.25	10
1.00	3.1	2.1	0.5	3.10	10	1.00	3.1	2.1	0.5	3.10	10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10

STATEMENT
Cost of Power to Hydro Municipalities

Municipality	Interim rates at which power is billed to the municipality and adjusted to cost at the end of the year													
	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Elmira....d	.....	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	34.00	34.00
Elmvale....d	.....	31.00	31.00	31.00	31.00	31.00	31.00	31.00	37.00	37.00	37.00	35.00	31.00	31.00
Elmwood....d	.....	.....	.....	.....	.....	.....	35.00	35.00	45.00	55.00	55.00	55.00	50.00	50.00
Elora....d	.....	.....	33.97	33.97	33.97	33.97	33.97	40.00	40.00	40.00	44.00	40.00	38.00	38.00
Embro....d	.....	.....	.....	39.85	45.00	45.00	45.00	60.00	75.00	75.00	80.00	70.00	68.00	68.00
Erieau....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84.28	84.28
Erie Beach	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83.00
Essex....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	49.00	49.00
Etobicoke Twp....d	.....	.....	.....	.....	.....	27.00	27.00	27.00	27.00	27.00	27.00	30.00	28.00	28.00
Exeter....d	.....	.....	.....	.....	41.66	41.66	41.66	41.00	41.00	41.00	46.00	55.00	48.00	48.00
Fergus....d	.....	.....	33.97	33.97	33.97	33.97	33.97	40.00	40.00	44.00	47.00	40.00	36.00	36.00
Flesherton....d	.....	.....	.....	.....	25.96	25.96	25.96	26.00	36.00	45.00	55.00	55.00	55.00	55.00
Ford City....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46.42	40.00	38.00	38.00
Forest....d	.....	.....	.....	.....	.....	63.27	63.27	63.00	60.00	60.00	60.00	55.00	55.00	55.00
Forest Hill....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Galt....c	25.00	22.00	21.50	21.50	21.00	20.00	20.00	20.00	20.00	21.00	25.00	28.00	28.00	28.00
Gamebridge....d	.....	.....	Serv	ed by	Brec	hin	.....	.....	.....	.....	.....	.....	.....	.....
Georgetown....d	.....	36.00	36.00	36.00	36.00	36.00	36.00	36.00	35.00	35.00	38.00	38.00	38.00	38.00
Glencoe....d	.....	.....	.....	.....	.....	.....	.....	.....	78.35	78.35	76.00	70.00	65.00	65.00
Glen Williams, ext....d	.....	.....	Serv	ed by	Geor	getow	n	.....	.....	.....	.....	.....	.....	.....
Goderich....a	.....	.....	37.00	37.00	43.00	43.00	43.00	43.00	43.00	50.00	55.00	57.00	55.00	55.00
Grand Valley....d	.....	.....	.....	.....	.....	45.00	45.00	45.00	60.00	70.00	60.00	60.00	72.00	72.00
Granton....d	.....	.....	.....	.....	48.61	48.61	48.61	48.00	55.00	55.00	55.00	55.00	55.00	55.00
Gravenhurst....c	.....	.....	.....	.....	.....	.....	.....	.....	15.00	15.00	20.00	20.00	18.00	25.00
Guelph....b	25.00	22.00	21.00	21.00	20.00	20.00	20.00	19.00	19.00	20.00	25.00	27.00	27.00	27.00
Hagersville....d	.....	33.21	33.21	33.21	33.21	33.21	33.21	34.00	36.00	36.00	36.00	32.00	32.00	32.00
Hamilton....b	17.00	16.00	15.00	15.00	14.00	14.00	14.00	14.00	14.00	16.00	20.00	24.00	24.00	24.00
Hanover....d	.....	.....	.....	.....	.....	.....	35.00	35.00	35.00	40.00	35.00	35.00	36.00	36.00
Harriston....d	.....	.....	.....	.....	46.62	46.62	46.62	48.00	52.00	55.00	50.00	50.00	50.00	50.00
Harrow....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65.00	65.00
Havelock....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65.00	65.00	58.00	58.00
Hensall....d	.....	.....	.....	.....	.....	47.76	47.67	47.00	55.00	57.00	64.00	75.00	65.00	65.00
Hespeler....c	26.00	23.00	23.00	23.00	22.50	21.00	21.00	21.00	21.00	23.00	29.00	30.00	30.00	30.00
Highgate....d	.....	.....	.....	.....	.....	51.82	51.82	51.00	51.00	55.00	55.00	55.00	50.00	50.00
Holstein....d	.....	.....	.....	.....	43.50	43.50	43.50	44.00	75.00	90.00	90.00	90.00	90.00	90.00
Hornings Mills....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Humberstone....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27.68	27.68
Huntsville....d	.....	.....	.....	.....	.....	22.51	22.51	25.00	25.00	25.00	25.00	25.00	27.00	27.00
Ingersoll....b	28.00	25.50	25.50	25.50	25.00	23.00	23.00	23.00	21.00	23.00	29.00	30.00	30.00	30.00
Jarvis....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41.09	45.00
Kemptville....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.00	80.00	60.00	60.00	60.00
Kincardine....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	70.00	70.00	70.00
Kingston....a	.....	.....	.....	.....	.....	.....	28.00	.....	25.00	25.00	27.00	26.00	26.00	26.00
Kingsville....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50.00	53.00
Kirkfield....d	.....	.....	.....	.....	.....	.....	.....	.....	45.00	60.00	60.00	55.00	55.00	55.00
Kitchener....b	25.00	22.50	21.50	21.50	21.00	20.00	20.00	19.00	19.00	20.00	25.00	27.00	27.00	27.00
Lakefield....d	.....	.....	.....	.....	.....	.....	.....	.....	36.00	36.00	45.00	45.00	42.00	42.00
Lambeth....d	.....	.....	.....	46.56	46.56	46.56	46.56	50.00	85.00	75.00	75.00	70.00	70.00	70.00
Lanark....d	.....	.....	.....	.....	.....	.....	.....	.....	92.50	92.50	92.50	75.00	75.00	75.00
Lancaster....d	.....	.....	.....	.....	.....	.....	.....	.....	97.00	97.00	97.00	97.00	97.00	97.00
Leamington....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54.00	54.00
Listowel....d	.....	.....	.....	.....	37.41	37.41	37.41	37.00	37.00	37.00	37.00	40.00	40.00	40.00
London....b	28.00	24.00	23.00	23.00	22.00	21.00	21.00	19.00	19.00	20.00	25.00	25.00	25.00	25.00
London Twp....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40.76
Louth Twp	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25.16
Lucan....d	.....	.....	.....	47.74	47.74	47.74	47.74	40.00	40.00	35.00	38.00	40.00	40.00	40.00
Lucknow....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60.00	65.00	75.00	75.00
Lynden....d	.....	.....	.....	33.00	33.00	33.00	33.00	40.00	50.00	50.00	50.00	45.00	43.00	43.00
Markdale....d	.....	.....	.....	.....	23.24	23.24	23.24	23.00	35.00	50.00	50.00	40.00	39.00	39.00
Markham....d	.....	.....	.....	.....	.....	.....	.....	.....	77.74	77.74	70.00	65.00	60.00	60.00
Marmora....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.00	35.00	35.00	35.00
Martintown....d	.....	.....	.....	.....	.....	.....	.....	.....	54.00	85.00	85.00	75.00	75.00	75.00
Maxville....d	.....	.....	.....	.....	.....	.....	.....	.....	86.00	86.00	86.00	86.00	86.00	86.00
Meaford....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60.00	60.00	60.00
Merlin....d	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60.00	55.00	55.00

Note *a*—Power delivered at 46,000, 26,400 or 22,000 volts.
Note *b*—Power delivered at 13,200 or 12,000 volts.
Note *c*—Power delivered at 6,600 volts.
Note *d*—Power delivered at 4,000 or 2,200 volts

"F"—Continued
and Power Rates to Consumers

Power rates to consumers

1924						1925					
Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Maximum per horsepower per month net	Prompt payment discount	Service charge per h.p. per month	First 50 hr. per month per kw-hr.	Second 50 hr. per month per kw-hr.	All additional per kw-hr.	Maximum per horsepower per month net	Prompt payment discount
$ c.	cents	cents	cents	$ c.	%	$ c.	cents	cents	cents	$ c.	%
1.00	2.9	1.9	0.5	3.00	10	1.00	2.9	1.9	0.5	3.00	10
1.00	3.0	2.0	0.5	3.00	10	1.00	3.0	2.0	0.5	3.00	10
1.00	5.4	3.6	0.5	4.45	10	1.00	5.4	3.6	0.5	4.45	10
1.00	3.2	2.1	0.5	3.15	10	1.00	3.2	2.1	0.5	3.15	10
1.00	6.8	4.6	0.5	5.25	10	1.00	6.8	4.6	0.5	5.25	10
....	...	...	...	....	..	1.00	10.0	6.8	0.5	....	10
....	...	...	...	....	..	1.00	10.0	6.8	0.5	....	10
1.00	6.8	4.6	0.15	....	10	1.00	5.4	3.6	0.5	4.40	10
1.00	2.5	1.7	0.5	2.75	10	1.00	2.5	1.7	0.5	2.75	10
1.00	3.9	2.6	0.5	3.60	10	1.00	3.9	2.6	0.5	3.60	10
1.00	3.2	2.1	0.5	3.15	10	1.00	3.2	2.1	0.5	3.15	10
1.00	4.2	2.8	0.5	3.75	10	1.00	4.2	2.8	0.5	3.75	10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10
1.00	5.6	3.8	0.5	4.60	10	1.00	5.6	3.8	0.5	4.60	10
1.00	2.0	1.4	0.5	2.50	10	1.00	2.0	1.4	0.5	2.50	10
1.00	2.6	1.8	0.5	2.85	10	1.00	2.6	1.8	0.5	2.85	10
1.00	8.7	5.8	0.5	....	10	1.00	8.7	5.8	0.5	....	10
1.00	2.0	1.4	0.5	2.50	10	1.00	2.0	1.4	0.5	2.50	10
1.00	6.1	4.1	0.5	4.85	10	1.00	6.1	4.1	0.5	4.85	10
1.00	4.1	2.7	0.5	3.65	10	1.00	4.1	2.7	0.5	3.65	10
1.00	4.8	3.2	0.5	4.10	10	1.00	4.8	3.2	0.5	4.10	10
1.00	6.6	4.4	0.5	5.10	10	1.00	6.6	4.4	0.5	5.10	10
1.00	4.9	3.3	0.5	4.15	10	1.00	4.9	3.3	0.5	4.15	10
1.00	2.7	1.8	0.5	2.95	10	1.00	2.7	1.8	0.5	2.95	10
1.00	1.67	1.11	0.133	....	10 & 10	1.00	1.867	1.267	0.5	1.90	25 & 10
1.00	2.0	1.4	0.5	2.60	10	1.00	2.0	1.4	0.5	2.60	10
1.00	1.67	1.11	0.15	....	10 & 10	1.00	1.67	1.11	0.15	....	10 & 10
1.00	2.4	1.6	0.5	2.75	10	1.00	2.4	1.6	0.5	2.75	10
1.00	4.2	2.8	0.5	3.75	10	1.00	4.2	2.8	0.5	3.75	10
1.00	5.4	3.6	0.15	....	10	1.00	5.4	3.6	0.5	4.40	10
1.00	3.6	2.4	0.15	....	10	1.00	3.6	2.4	0.15	....	10
1.00	6.1	4.1	0.5	4.85	10	1.00	6.1	4.1	0.5	4.85	10
1.00	2.5	1.7	0.5	2.75	10	1.00	2.5	1.7	0.5	2.75	10
1.00	5.1	3.4	0.5	4.25	10	1.00	5.1	3.4	0.5	4.25	10
1.00	9.3	6.2	0.15	....	10	1.00	9.3	6.2	0.5	6.70	10
1.00	5.6	3.8	0.5	....	10	1.00	5.6	3.8	0.5	....	10
1.00	2.7	1.8	0.5	2.90	10	1.90	2.7	1.8	0.5	2.90	10
1.00	3.5	2.25	0.5	3.35	10	1.00	3.5	2.25	0.5	3.35	10
1.00	2.2	1.5	0.15	....	10	1.00	2.33	1.56	0.5	2.40	10
1.00	5.2	3.5	0.15	....	10	1.00	5.2	3.5	0.5	4.30	10
1.00	7.4	4.9	0.5	5.60	10	1.00	7.4	4.9	0.5	5.60	10
1.00	4.6	3.1	0.5	4.00	10	1.00	4.6	3.1	0.5	4.00	10
1.00	1.83	1.233	0.156	....	10 & 10	1.00	1.83	1.233	0.156	....	10 & 10
1.00	5.4	3.6	0.15	....	10	1.00	5.4	3.6	0.5	4.40	10
1.00	5.4	3.6	0.5	4.45	10	1.00	5.4	3.6	0.5	4.45	10
1.00	2.0	1.4	0.15	....	10	1.00	2.0	1.4	0.15	....	10
1.00	3.5	2.3	0.15	....	10	1.00	3.5	2.3	0.15	....	10
1.00	5.4	3.6	0.5	4.40	10	1.00	5.4	3.6	0.5	4.40	10
1.00	7.8	5.2	0.5	5.85	10	1.00	7.8	5.2	0.5	5.85	10
1.00	8.6	5.7	0.5	6.25	10	1.00	8.6	5.7	0.5	6.25	10
1.00	6.8	4.6	0.15	....	10	1.00	5.7	3.8	0.5	4.60	10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10
1.00	2.33	1.56	0.167	....	10 & 10	1.00	2.33	1.56	0.167	....	10 & 10
1.25	3.5	2.3	0.5	3.33	10	1.25 Rural	3.5 Rates	2.3	0.5	3.33	10
1.00	3.6	2.4	0.5	3.40	10	1.00	3.6	2.4	0.5	3.40	10
1.00	7.1	4.7	0.15	....	10	1.00	7.1	4.7	0.15	....	10
1.00	3.6	2.4	0.5	3.40	10	1.00	3.6	2.4	0.5	3.40	10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10
1.00	6.8	4.6	0.5	5.25	10	1.00	6.8	4.6	0.5	5.25	10
1.00	4.2	2.8	0.15	....	10	1.00	4.2	2.8	0.15	....	10
1.00	6.4	4.3	0.5	5.00	10	1.00	6.4	4.3	0.5	5.00	10
1.00	8.0	5.3	0.5	5.90	10	1.00	8.0	5.3	0.5	5.90	10
1.00	4.9	3.3	0.5	4.20	10	1.00	4.9	3.3	0.5	4.20	10
1.00	5.8	3.9	0.5	4.68	10	1.00	5.8	3.9	0.5	4.68	10

STATEMENT
Cost of Power to Hydro Municipalities

Municipality	Interim rates at which power is billed to the municipality and adjusted to cost at the end of the year													
	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Merritton...*b*											18.00	20.00	20.00	20.00
Midland...*d*	21.00	20.30	19.45	19.37	19.37	19.00	19.00	20.00	28.00	32.00	32.00	30.00	26.00	26.00
Milton...*b*		28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	32.00	32.00	32.00	32.00
Milverton...*d*					35.63	35.63	35.63	35.00	35.00	35.00	35.00	35.00	37.00	37.00
Mimico...*d*	30.74	30.00	28.00	28.00	28.00	27.00	27.00	25.00	21.00	21.00	26.00	30.00	30.00	30.00
Mitchell...*a*	38.00	37.00	37.00	37.00	37.00	36.00	36.00	36.00	36.00	36.00	37.00	37.00	37.00	37.00
Moorefield...*d*							63.93	63.00	70.00	70.00	70.00	75.00	75.00	75.00
Mount Brydges...*d*				46.56	46.56	46.56	46.56	50.00	70.00	70.00	76.00	70.00	60.00	60.00
Mount Forest...*d*					34.51	34.51	34.51	40.00	55.00	65.00	65.00	60.00	58.00	58.00
Neustadt...*d*								42.50	45.00	55.00	55.00	45.00	45.00	45.00
Newbury...*d*										67.10	67.10	67.10	58.00	58.00
New Hamburg...*d*	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	38.00	38.00	38.00	38.00
New Toronto...*d*			28.00	28.00	28.00	27.00	27.00	25.00	20.00	22.00	26.00	30.00	30.00	30.00
Niagara Falls...*b and d*					11.50	11.50	11.50	11.50	11.50	12.50	17.50	18.00	18.00	18.00
Niagara-on-the-Lake...*b*									28.00	28.00	26.00	26.00	26.00	26.00
Nipigon Twp...*d*														40.00
Norwich...*d*	30.00	32.00	32.00	32.00	38.00	38.00	38.00	35.00	35.00	35.00	39.00	40.00	36.00	36.00
Norwood...*d*											38.00	38.00	35.00	35.00
Oil Springs...*d*							38.54	38.00	43.00	43.00	48.00	40.00	35.00	35.00
Omemee...*d*							39.39	39.39	39.39	39.39	39.39	35.00	35.00	35.00
Orangeville...*d*					35.00	35.00	35.00	35.00	55.00	65.00	65.00	60.00	60.00	60.00
Ottawa...*a*	15.00	15.00	15.00	14.00	14.00	14.00	14.00	14.00	14.00	13.50	13.00	12.00	12.00	12.00
Otterville...*d*					45.00	45.00	45.00	50.00	50.00	50.00	52.00	52.00	50.00	50.00
Owen Sound...*d*					31.00	31.00	31.00	28.00	28.00	30.00	40.00	35.00	35.00	35.00
Paisley...*d*												115.00	80.00	80.00
Palmerston...*d*					40.82	40.82	40.82	45.00	50.00	45.00	45.00	45.00	44.00	44.00
Paris...*a*			21.00	21.00	21.00	21.00	21.00	20.00	19.00	21.00	26.00	28.00	28.00	28.00
Parkhill...*d*									75.23	75.00	75.00	70.00	63.00	63.00
Penetang...*d*	28.80	26.50	26.50	26.50	26.50	22.00	22.00	22.00	32.00	30.00	30.00	30.00	27.00	27.00
Perth...*d*								32.00	32.00	45.00	45.00	45.00	47.50	47.50
Peterboro...*a*			18.00	18.00	17.70	17.70	17.50	17.50	17.50	17.50	22.50	22.50	22.50	22.50
Petrolia...*d*					36.26	36.26	36.26	36.00	36.00	36.00	36.00	36.00	36.00	36.00
Plattsville...*d*				49.27	49.27	49.27	49.27	60.00	65.00	65.00	75.00	90.00	90.00	90.00
Picton...*d*								69.14	69.14	69.14	52.00	52.00	48.00	48.00
Point Edward...*d*												40.42	40.00	40.00
Port Arthur...*a*	20.30	19.50	22.25	22.71	20.75	20.75	19.75	19.75			21.00	21.00	21.00	21.00
Port Colborne...*a*									21.00	21.00	25.00	27.00	27.00	27.00
Port Credit...*d*	36.79	31.00	28.00	28.00	27.00	27.00	27.00	25.00	23.00	23.00	28.00	35.00	32.00	32.00
Port Dalhousie...*d*		22.30	21.42	22.49	24.31	25.81	24.85	21.56	17.00	17.00	22.00	24.00	26.00	26.00
Port Dover...*d*											62.00	60.00	45.00	45.00
Port McNicoll...*d*				35.00	35.00	25.00	25.00	35.00	85.00	85.00	40.00	30.00	28.00	28.00
Port Perry...*d*											90.00	90.00	70.00	70.00
Port Stanley...*d*	59.75	55.50	43.85	50.90	49.53	46.78	45.54	53.03	53.00	50.00	50.00	48.00	45.00	45.00
Prescott...*d*			39.59	28.67	25.00	25.00	25.00		44.93	55.00	52.00	45.00	40.00	40.00
Preston...*c*	25.00	21.50	21.00	21.00	20.00	19.00	19.00	19.00	19.00	22.00	27.00	27.00	27.00	27.00
Priceville...*d*											47.00	65.00	65.00	65.00
Princeton...*d*				65.95	65.95	65.95	65.95	70.00	85.00	90.00	90.00	75.00	75.00	75.00
Queenston...*d*											18.42	20.00	20.00	20.00
Richmond Hill														40.00
Ridgetown...*d*					47.17	47.17	47.17	47.00	47.00	45.00	45.00	45.00	40.00	40.00
Ripley...*d*											60.00	70.00	80.00	80.00
Riverside...*d*											52.75	45.00	40.00	40.00
Rockwood...*d*		38.00	38.00	38.00	38.00	38.00	38.00	38.00	55.00	55.00	65.00	60.00	55.00	55.00
Rodney...*d*						63.00	63.00	63.00	63 00	55.00	50.00	48.00	48.00	48.00
St. Catharines...*b*			14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	18.25	20.00	20.00	20.00
St. Clair Beach...*d*											75.59	75.00	50.00	50.00
St. George...*d*				38.78	38.78	38.78	38.78	45.00	45.00	45.00	49.00	40.00	40.00	40.00
St. Jacobs...*d*						32.44	42.18	32.00	32.00	35.00	40.00	40.00	40.00	40.00
St. Mary's...*b*	38.00	29.50	29.50	29.50	28.00	28.00	28.00	28.00	28.00	32.00	35.00	35.00	35.00	35.00
St. Thomas...*b*	32.00	29.00	28.00	28.00	27.00	26.00	26.00	24.00	24.00	25.00	30.00	30.00	30.00	30.00
Sandwich...*d*													37.50	37.50
Sarnia...*a*					38.00	38.00	38.00	38.00	36.00	35.00	35.00	35.00	35.00	35.00
Scarboro Twp...*d*								25.00	25.00	28.00	35.00	35.00	33.00	33.00
Seaforth...*a*	41.00	40.00	40.00	40.00	40.00	38.00	38.00	38.00	36.00	36.00	40.00	40.00	40.00	40.00
Shelburne...*d*					30.00	30.00	30.00	30.00	38.00	50.00	50.00	50.00	45.00	45.00

Note *a*—Power delivered at 46,000, 26,400 or 22,000 volts.
Note *b*—Power delivered at 13,200 or 12,000 volts.
Note *c*—Power delivered at 6,600 volts.
Note *d*—Power delivered at 4,000 or 2,200 volts.

"F"—Continued
and Power Rates to Consumers

Power rates to consumers

1924						1925					
Service charge per h.p. per month	First 50 hr.per month per kw-hr.	Second 50 hr.per month per kw-hr.	All additional per kw-hr.	Maximum per horsepower per month net	Prompt payment discount	Service charge per h.p. per month	First 50 hr.per month per kw-hr.	Second 50 hr.per month per kw-hr.	All additional per kw-hr.	Maximum per horsepower per month net	Prompt payment discount
$ c.	cents	cents	cents	$ c.	%	$ c.	cents	cents	cents	$ c.	%
1.00	1.67	1.11	0.133	....	10 & 10	1.00	2.133	1.33	0.5	2.00	25 & 10
1.00	1.9	1.2	0.5	2.10	10 & 10	1.00	1.9	1.2	0.5	2.10	10 & 10
1.00	2.9	1.9	0.5	3.00	10	1.00	2.9	1.9	0.5	3.00	10
1.00	3.6	2.4	0.5	3.40	10	1.00	3.6	2.4	0.5	3.40	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	3.6	2.4	0.15	....	10	1.00	3.6	2.4	0.15	....	10
1.00	6.8	4.6	0.5	5.25	10	1.00	6.8	4.6	0.5	5.25	10
1.00	5.6	3.8	0.5	4.60	10	1.00	5.6	3.8	0.5	4.60	10
1.00	3.9	2.6	0.5	3.60	10	1.00	3.9	2.6	0.5	3.60	10
1.00	4.2	2.8	0.5	3.70	10	1.00	4.2	2.8	0.5	3.70	10
1.00	7.1	4.7	0.5	5.45	10	1.00	7.1	4.7	0.5	5.45	10
1.00	3.9	2.6	0.5	3.60	10	1.00	3.9	2.6	0.5	3.60	10
1.00	2.0	1.4	0.5	2.50	10	1.00	2.0	1.4	0.5	2.50	10
1.00	1.83	1.233	0.156	....	10 & 10	1.00	1.83	1.233	0 156	....	10 & 10
1.00	2.5	1.7	0.5	2.75	10	1.00	2.5	1.7	0.5	2.75	10
....	...	...	...	....	..	1.00	5.7	3.8	0.5	....	10
1.00	3.3	2.2	0.5	3.25	10	1.00	3.3	2.2	0.5	3.25	10
1.00	3.9	2.6	0.15	....	10	1.00	3.9	2.6	0.15	....	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	3.5	2.3	0.15	....	10	1.00	3.5	2.3	0.15	....	10
1.00	3.1	2.1	0.5	3.20	10	1.00	3.1	2.1	0.5	3.20	10
1.00	1.8	1.2	0.15	....	15 & 10	1.00	1.8	1.2	0.5	....	15 & 10
1.00	4.7	3.1	0.5	4.00	10	1.00	4.7	3.1	0.5	4.00	10
1.00	2.2	1.5	0.5	2.45	10 & 10	1.00	2.2	1.5	0.5	2.45	10 & 10
1.00	7.2	4.8	0.5	5.45	10	1.00	7.2	4.8	0.5	5.45	10
1.00	4.5	3.0	0.5	3.90	10	1.00	4.5	3.0	0.5	3.90	10
1.00	2.0	1.33	0.5	2.25	10 & 10	1.00	2.0	1.33	0.5	2.25	10 & 10
1.00	6.2	4.2	0.5	4.95	10	1.00	6.2	4.2	0.5	4.95	10
1.00	2.1	1.3	0.5	2.25	10 & 10	1.00	2.1	1.3	0.5	2.25	10 & 10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10
1.00	1.3	0.8	0.1	....	10 & 10	1.00	1.3	0.8	0.1	....	10 & 10
1.00	2.8	1.8	0.5	2.90	10	1.00	2.8	1.8	0.5	2.90	10
1.00	5.4	3.6	0.5	4.40	10	1.00	5.4	3.6	0.5	4.40	10
1.00	4.2	2.8	0.15	....	10	1.00	3.6	2.4	0.5	3.42	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	1.75	1.0	0.1	....	10	1.00	1.75	1.0	0.1	....	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	2.8	1.8	0.5	2.90	10	1.00	2.8	1.8	0.5	2.90	10
1.00	4.9	3.3	0.5	4.15	10	1.00	4.9	3.3	0.5	4.15	10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10
1.00	7.2	4.8	0.5	5.45	10	1.00	7.2	4.8	0.5	5.45	10
1.00	4.9	3.3	0.5	4.15	10	1.00	4.9	3.3	0.5	4.15	10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10
1.00	2.6	1.8	0.15	....	10	1.00	2.6	1.8	0.15	....	10
1.00	5.6	3.8	0.5	4.60	10	1.00	5.6	3.8	0.5	4.60	10
1.00	7.8	5.2	0.5	5.85	10	1.00	7.8	5.2	0.5	5.85	10
1.00	2.0	1.4	0.5	2.50	10	1.00	2.0	1.4	0.5	2.50	10
....	...	...	...	....	..	1.00	1.9	1.3	0.5	2.50	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	7.1	4.7	0.5	5.45	10	1.00	7.1	4.7	0.5	5.45	10
1.00	4.9	3.3	0.5	4.15	10	1.00	4.9	3.3	0.5	4.15	10
1.00	4.9	3.3	0.5	4.15	10	1.00	4.9	3.3	0.5	4.15	10
1.00	5.1	3.4	0.5	4.25	10	1.00	5.1	3.4	0.5	4.25	10
1.00	1.867	1.267	0.16	....	25 & 10	1.00	1.867	1.267	0.16	....	25 & 10
1.00	6.4	4.3	0.5	5.00	10	1.00	6.4	4.3	0.5	5.00	10
1.00	3.3	2.2	0.5	3.25	10	1.00	3.3	2.2	0.5	3.25	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	3.3	2.2	0.5	3.25	10	1.00	3.3	2.2	0.5	3.25	10
1.00	1.83	1.233	0.156	....	10 & 10	1.00	1 83	1.233	0.156	....	10 & 10
1.00	2.9	1.9	0.5	3.00	10	1.00	2.9	1.9	0.5	3.00	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10
1.00	3.9	2.6	0.5	3.60	10	1.00	3.9	2.6	0.5	3.60	10
1.00	3.3	2.2	0.5	3.25	10	1.00	3.3	2.2	0.5	3.25	10

STATEMENT

Cost of Power to Hydro Municipalities

Municipality	Interim rates at which power is billed to the municipality and adjusted to cost at the end of the year													
	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Simcoe *a*	.....	.....	.....	35.00	35.00	35.00	35.00	32.00	28.00	28.00	34.00	34.00	31.00	31.00
Smiths Falls *d*	.....	.....	.....	.....	.....	.....	28.00	28.00	28.00	40.00	40.00	40.00	40.00	40.00
Springfield *d*	.....	.....	.....	.....	.....	65.00	65.00	65.00	65.00	65.00	65.00	65.00	75.00	75.00
Stamford Twp *b*	.....	.....	.....	.....	.....	.....	16.57	15.00	15.00	16.00	20.00	20.00	20.00	20.00
Stayner *d*	.....	.....	37.82	37.82	37.82	35.00	35.00	35.00	40.00	40.00	45.00	40.00	38.00	38.00
Stouffville *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.00	70.00	70.00
Stratford *a*	32.00	30.00	30.00	30.00	29.00	27.00	27.00	25.00	25.00	27.00	30.00	30.90	30.00	30.00
Strathroy *b*	.....	.....	.....	44.07	44.07	44.07	44.01	42.00	40.00	37.00	40.00	40.00	38.00	38.00
Sunderland *d*	.....	.....	.....	82.68	81.00	50.00	50.00	55.00	85.00	85.00	85.00	75.00	75.00	75.00
Sutton *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.00	70.00	70.00
Tara *d*	.....	.....	.....	.....	.....	.....	37.00	37.00	85.00	90.00	90.00	90.00	93.00	93.00
Tavistock *d*	.....	.....	.....	.....	.....	78.28	37.01	36.00	35.00	35.00	37.00	37.00	43.00	43.00
Tecumseh *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59.07	52.00	45.00	45.00
Teeswater *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40.00	50.00	50.00	50.00
Thamesford *d*	.....	.....	45.00	45.00	45.00	45.00	45.00	50.00	50.00	50.00	54.00	50.00	47.00	47.00
Thamesville *d*	.....	.....	.....	.....	45.40	45.40	45.40	50.00	60.00	55.00	55.00	50.00	50.00	50.00
Thedford *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	110.00	110.00	80.00	80.00
Thorndale *d*	.....	.....	45.00	45.00	45.00	45.00	45.00	50.00	60.00	60.00	70.00	70.00	70.00	70.00
Thornton *d*	.....	.....	.....	.....	.....	.....	43.00	43.00	85.00	85.00	85.00	85.00	85.00	85.00
Thorold *b*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22.25	22.25	20.00	20.00
Tilbury *d*	.....	.....	.....	39.45	39.45	39.45	39.45	45.00	50.00	50.00	50.00	45.00	40.00	40.00
Tillsonburg *b*	32.00	32.00	32.00	32.00	35.00	35.00	35.00	32.00	30.00	30.00	39.00	45.00	40.00	40.00
Toronto *b*	18.50	15.00	15.00	15.00	14.50	14.50	14.50	14.50	14.50	17.00	22.00	24.00	24.00	24.00
Toronto Twp *d*	.....	.....	.....	.....	.....	.....	.....	25.00	25.00	25.00	30.00	30.00	30.00	30.00
Tottenham *d*	.....	.....	.....	.....	.....	.....	51.00	51.00	85.00	90.00	90.00	90.00	96.00	96.00
Trafalgar Twp	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Uxbridge *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	90.00	90.00	73.00	73.00
Vaughan Twp *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.00	36.00	36.00	36.00
Victoria Harbour *d*	.....	.....	.....	35.00	35.00	35.00	35.00	35.00	50.00	45.00	45.00	40.00	40.00	40.00
Walkerville *a*	.....	.....	38.00	38.00	38.00	38.00	38.00	36.00	36.00	35.00	35.00	33.00	33.00	33.00
Wallaceburg *d*	.....	.....	.....	38.45	38.45	38.45	38.45	38.00	38.45	35.00	35.00	35.00	35.00	35.00
Wardsville *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82.20	82.20	77.00	77.00
Warkworth *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.51	85.51	65.00
Waterdown *d*	37.50	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	31.00	36.00	36.00	40.00	40.00
Waterford *d*	.....	.....	.....	39.00	39.00	39.00	39.00	39.00	33.00	33.00	38.00	35.00	34.00	34.00
Waterloo *b*	26.00	23.50	22.50	22.50	22.00	21.00	21.00	20.00	20.00	21.00	26.00	28.00	28.00	28.00
Watford *d*	.....	.....	.....	.....	.....	59.45	59.45	65.00	85.00	85.00	85.00	70.00	60.00	60.00
Waubaushene *d*	.....	.....	.....	35.00	35.00	25.00	25.00	30.00	45.00	45.00	45.00	40.00	40.00	40.00
Welland *b*	.....	14.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	16.00	20.00	23.00	23.00	23.00
Wellesley *d*	.....	.....	.....	.....	.....	39.96	39.96	39.00	39.00	39.00	43.00	44.00	44.00	44.00
Wellington *d*	.....	.....	.....	.....	.....	.....	.....	52.76	52.76	52.76	50.00	50.00	46.00	46.00
West Lorne *d*	.....	.....	.....	.....	.....	55.60	55.60	55.00	55.00	50.00	45.00	40.00	40.00	40.00
Weston *b*	30.00	30.00	30.00	30.00	30.00	30.00	30.00	25.00	23.00	23.00	29.00	30.00	28.00	28.00
Wheatley *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	91.00	91.00
Williamsburg *d*	.....	.....	.....	25.09	30.00	30.00	30.00	30.00	50.00	73.89	95.00	75.00	65.00	65.00
Winchester *d*	.....	.....	38.28	39.54	43.00	43.00	43.00	43.00	69.84	85.00	85.00	65.00	60.00	60.00
Windsor *a*	.....	.....	38.00	38.00	38.00	38.00	38.00	36.00	36.00	35.00	35.00	33.00	30.00	30.00
Wingham *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45.00	55.00	59.00	59.00
Woodbridge *d*	.....	.....	.....	33.83	33.83	33.83	33.83	33.00	31.00	31.00	37.00	38.00	36.00	36.00
Woodstock *b*	26.00	23.00	23.00	23.00	23.00	21.00	21.00	20.00	20.00	21.00	27.00	28.00	28.00	28.00
Woodville *d*	.....	.....	.....	70.24	70.00	50.00	50.00	55.00	80.00	80.00	80.00	75.00	65.00	65.00
Wyoming *d*	.....	.....	.....	.....	38.34	38.34	38.34	38.00	60.00	60.00	60.00	62.00	62.00	62.00
York Twp. *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
York East Twp. *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
York North Twp. *d*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.00	35.00	35.00
Zurich *d*	.....	.....	.....	.....	.....	.....	69.34	69.00	60.00	60.00	74.00	74.00	68.00	68.00

Note *a*—Power delivered at 46,000, 26,400 or 22,000 volts.
Note *b*—Power delivered at 13,200 or 12,000 volts.
Note *c*—Power delivered at 6,600 volts.
Note *d*—Power delivered at 4,000 or 2,200 volts.

"F"—Concluded

and Power Rates to Consumers

Power rates to consumers

1924						1925					
Service charge per h.p. per month	First 50 hr.per month per kw-hr.	Second 50 hr.per month per kw-hr.	All additional per kw-hr.	Maximum per horsepower per month net	Prompt payment discount	Service charge per h.p. per month	First 50 hr.per month per kw-hr.	Second 50 hr.per month per kw-hr.	All additional per kw-hr.	Maximum per horsepower per month net	Prompt payment discount
$ c.	cents	cents	cents	$ c.	%	$ c.	cents	cents	cents	$ c.	%
1.00	2.5	1.7	0.5	2.75	10	1.00	2.5	1.7	0.5	2.75	10
1.00	3.6	2.4	0.5	3.35	10	1.00	3.6	2.4	0.5	3.35	10
1.00	7.8	5.2	0.5	5.85	10	1.00	7.8	5.2	0.5	5.85	10
1.00	2.0	1.33	0.5	2.25	10 & 10	1.00	2.0	1.33	0.5	2.25	10 & 10
1.00	3.9	2.6	0.5	3.60	10	1.00	3.9	2.6	0.5	3.60	10
1.00	7.8	5.2	0.5	5.85	10	1.00	7.8	5.2	0.5	5.85	10
1.00	2.8	1.8	0.5	2.90	10	1.00	2.8	1.8	0.5	2.90	10
1.00	2.6	1.8	0.5	2.85	10	1.00	2.6	1.8	0.5	2.85	10
1.00	6.6	4.4	0.5	5.10	10	1.00	6.6	4.4	0.5	5.10	10
1.00	7.1	4.7	0.5	5.45	10	1.00	7.1	4.7	0.5	5.45	10
1.00	6.8	4.6	0.5	5.25	10	1.00	6.8	4.6	0.5	5.25	10
1.00	2.8	1.8	0.5	2.90	10	1.00	2.8	1.8	0.5	2.90	10
1.00	4.9	3.3	0.5	4.15	10	1.00	4.9	3.3	0.5	4.15	10
1.00	4.2	2.8	0.5	3.75	10	1.00	4.2	2.8	0.5	3.75	10
1.00	4.5	3.0	0.5	3.90	10	1.00	4.5	3.0	0.5	3.90	10
1.00	4.5	3.0	0.5	3.90	10	1.00	4.5	3.0	0.5	3.90	10
1.00	7.1	4.7	0.5	5.45	10	1.00	7.1	4.7	0.5	5.45	10
1.00	5.6	3.8	0.5	4.60	10	1.00	5.6	3.8	0.5	4.60	10
1.00	6.8	4.6	0.5	5.25	10	1.00	6.8	4.6	0.5	5.25	10
1.00	2.11	1.39	0.5	2.35	10 & 10	1.00	2.11	1.39	0.5	2.35	10 & 10
1.00	3.6	2.4	0.5	3.40	10	1.00	3.6	2.4	0.5	3.40	10
1.00 †A.C.	3.5	2.3	0.5	3.35	10	1.00 †A.C.	3.5	2.3	0.5	3.35	10
1.25, 1.00 †D.C.	1.5	0.75	0.4	....	10	1.25, 1.00 †D.C.	1.5	0.75	0.4	....	10
1.35, 1.00	2.5	1.25	0.6	....	10	1.35, 1.00	2.5	1.25	0.6	....	10
1.00	3.5	2.3	0.5	3.35	10	1.00	3.5	2.3	0.5	3.35	10
1.00	6.8	4.6	0.5	5.25	10	1.00	6.8	4.6	0.5	5.25	10
1.00	3.5	2.3	1.0	....	10	1.00	3.5	2.3	1.0	....	10
1.00	7.2	4.8	0.5	5.45	10	1.00	7.2	4.8	0.5	5.45	10
1.00	5.5	3.7	0.5	4.50	10	1.00	5.5	3.7	0.5	4.50	10
1.00	4.2	2.8	0.5	3.75	10	1.00	4.2	2.8	0.5	3.75	10
1.00	2.9	1.9	0.5	3.00	10	1.00	2.9	1.9	0.5	3.00	10
1.00	2.8	1.8	0.5	2.90	10	1.00	2.8	1.8	0.5	2.90	10
1.00	7.8	5.2	0.5	5.85	10	1.00	7.8	5.2	0.5	5.85	10
1.00	10.7	7.2	0.15	....	10	1.00	10.7	7.2	0.15	....	10
1.00	3.6	2.4	0.5	3.40	10	1.00	3.6	2.4	0.5	3.40	10
1.00	2.8	1.8	0.5	2.90	10	1.00	2.8	1.8	0.5	2.90	10
1.00	2.2	1.5	0.5	2.60	10	1.00	2.2	1.5	0.5	2.60	10
1.00	5.6	3.8	0.5	4.60	10	1.00	5.6	3.8	0.5	4.60	10
1.00	4.9	3.3	0.5	4.20	10	1.00	4.9	3.3	0.5	4.20	10
1.00	2.33	1.56	0.167	....	10 & 10	1.00	2.33	1.56	0.167	....	10 & 10
1.00	4.3	2.9	0.5	3.85	10	1.00	4.3	2.9	0.5	3.85	10
1.00	5.4	3.6	0.15	....	10	1.00	5.4	3.6	0.15	....	10
1.00	3.1	2.	0.5	3.10	10	1.00	3.1	2.	0.5	3.10	10
1.00	2.3	1.6	0.5	2.65	10	1.00	2.3	1.6	0.5	2.65	10
1.00	9.0	6.0	0.15	....	10	1.00	8.7	5.8	0.5	6.30	10
1.00	6.4	4.3	0.5	5.00	10	1.00	6.4	4.3	0.5	5.00	10
1.00	6.4	4.3	0.5	5.00	10	1.00	6.4	4.3	0.5	5.00	10
1.00‡	2.8	1.8	0.5	2.90	10	1.00‡	2.8	1.8	0.5	2.90	10
1.00	5.4	3.6	0.5	4.45	10	1.00	5.4	3.6	0.5	4.45	10
1.00	3.1	2.0	0.5	3.10	10	1.00	3.1	2.0	0.5	3.10	10
1.00	2.0	1.4	0.15	....	10	1.00	2.0	1.4	0.15	....	10
1.00	6.6	4.4	0.5	5.10	10	1.00	6.6	4.4	0.5	5.10	10
1.00	7.1	4.7	0.5	5.45	10	1.00	7.1	4.7	0.5	5.45	10
1.00	2.0	1.4	0.5	2.50	10	1.00	2.0	1.4	0.5	2.50	10
1.00	2.0	1.4	0.5	2.50	10	1.00	2.0	1.4	0.5	2.50	10
1.00	3.9	2.6	0.5	3.60	10	1.00	3.9	2.6	0.5	3.60	10
1.00	5.6	3.8	0.5	4.60	10	1.00	5.6	3.8	0.5	4.60	10

†1.25 and 1.35 for 1st 10 h.p. 1.00 for all additional h.p.
‡Windsor rates for 60-cycle power are 25% higher than rates given here.

STATEMENT

Domestic Service and Commercial Lighting

Municipality	1924								
	Domestic service				Commercial light				
	Service charge per month	First 60 kw-hr. per month per kw-hr.	All additional per kw-hr	Minimum net monthly bill	First 50 hr. per kw-hr	Next 50 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	Prompt payment discount
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Acton	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Agincourt	33	5	2.5	1.00	10	5	1	1.00	10
Ailsa Craig	33	4	2	0.75	8	4	1	0.75	10
Alexandria	33	6	2	1.50	12	6	1.2	2.00	10
Alliston	33	5	2	1.00	10	5	1	1.00	10
Alvinston	33	6	2	1.50	12	6	1.2	1.50	10
Ancaster Twp	33	5	2	0.75	10	5	1	0.75	10
Apple Hill	33	6	2	1.50	12	6	1.2	2.00	10
Arthur	33	6	2	2.00	12	6	1.2	1.50 to 3.00	10
Aylmer	33	2	1	0.75	4	2	1	0.75	10
Ayr	33	2.5	1.25	1.00	5	2.5	1	1.00	10
Baden	33	2	1	0.75	4	2	1	0.75	10
Barrie	33	2	1	0.75	4	2	1	0.75	10+10
Barton Twp	3*	3**	1.5	1.00	6†	3††	0.6	1.00	10
Beachville	33	3	1.5	0.75	6	3	1	0.75	10
Beaverton	33	3	1.5	1.00	6	3	1	1.00	10
Beeton	33	5	2	1.50	10	5	1	1.50	10
Belle River	33	6	2	1.50	12	6	1.2	1.50	10
Blenheim	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Bloomfield	3*	7**	2	1.00	14†	7††	1.4	1.00	10
Blyth	33	7	2	2.50	14	7	1.4	2.50	10
Bolton	33	5	2	1.00	10	5	1	1.00	10
Bothwell	33	3	1.5	1.00	6	3	1	1.00	10
Bradford	33	7	2	1.50	14	7	1.4	1.50	10
Brampton	33	2	1	0.75	4	2	1	0.75	10
Brantford	3*	2**	1	0.75	3.5†	1.75††	0.35	0.75	10
Brantford Twp	33	3	1.5	1.00	6	3	1	1.00	10
Brechin	33	7	2	1.50	14	7	1.4	1.50	10
Bridgeport	3*	2.5**	1.25	.....	5†	2.5††	0.5	.....	10
Brigden	33	5	2	1.50	10	5	1	1.50	10
Brockville	33	3	1.5	0.75	6	3	1	0.75	10
Brussels	33	6	2	2.50	12	6	1.2	2.50	10
Burford	33	5	2	1.25	10	5	1	1.25	10
Burgessville	33	5	2	1.00	10	5	1	1.00	10
Campbellville	.....	.....	.....	.....	.....	.....	.....	.....	.....
Caledonia	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Cannington	33	3	1.5	1.25	6	3	1	1.25	10
Carleton Place	33	4	2	1.00	8	4	1	1.00	10
Chatham	33	2.5	1.25	0.75	4	2	1	0.75	10
Chatsworth	33	5	2	1.50	10	5	1	1.50	10
Cayuga	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chesley	33	4	2	1.00	8	4	1	1.00	10
Chesterville	33	4	2	1.25	8	4	1	1.25	10
Chippawa	33	2.5	1.25	1.00	5	2.5	1	1.00	10
Clifford	33	6	2	2.50	12	6	1.2	2.50	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.

"G"

Rates in Hydro Municipalities

1925

Domestic service				Commercial light				
Service charge per month	First 60 kw-hr. per month per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	First 50 hr. per kw-hr.	Next 50 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	5	2.5	1.00	10	5	1	1.00	10
33	4	2	0.75	8	4	1	0.75	10
33	6	2	1.50	12	6	1.2	2.00	10
33	5	2	1.00	10	5	1	1.00	10
33	6	2	1.50	12	6	1.2	1.50	10
33	5	2	0.75	10	5	1	0.75	10
33	6	2	1.50	12	6	1.2	2.00	10
33	6	2	2.00	12	6	1.2	1.50 to 3.00	10
33	2	1	0.75	4	2	1	0.75	10
33	2.5	1.25	1.00	5	2.5	1	1.00	10
33	2	1	0.75	4	2	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10+10
33	3	1.5	1.00	6	3	1	1.00	10
33	3	1.5	0.75	6	3	1	0.75	10
33	3	1.5	1.00	6	3	1	1.00	10
33	5	2	1.50	10	5	1	1.50	10
33	6	2	1.50	12	6	1.2	1.50	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
3*	7**	2	1 00	14†	7††	1.4	1.00	10
33	7	2	2.50	14	7	1.4	2.50	10
33	5	2	1.00	10	5	1	1.00	10
33	3	1.5	1.00	6	3	1	1.00	10
33	7	2	1.50	14	7	1.4	1.50	10
33	2	1	0.75	4	2	1	0.75	10
3*	2**	1	0.75	3.5†	1.75††	0.35	0.75	10
33	3	1.5	1.00	6	3	1	1.00	10
33	7	2	1.50	14	7	1.4	1.50	10
3*	2.5**	1.25	.....	5†	2.5††	0.5	.....	10
33	5	2	1.50	10	5	1	1.50	10
33	3	1.5	0.75	6	3	1	0.75	10
33	6	2	2.50	12	6	1.2	2.50	10
33	5	2	1.25	10	5	1	1.25	10
33	5	2	1.00	10	5	1	1.00	10
33	8	2	2.00	16	8	1.6	2.00	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	3	1.5	1.25	6	3	1	1.25	10
33	4	2	1.00	8	4	1	1.00	10
33	2.5	1.25	0.75	4	2	1	0.75	10
33	5	2	1.50	10	5	1	1.50	10
33	6	2	1.50	12	6	1.2	1.50	10
33	4	2	1.00	8	4	1	1.00	10
33	4	2	1.25	8	4	1	1.25	10
33	2.5	1.25	1.00	5	2.5	1	1.00	10
33	6	2	2.50	12	6	1.2	2.50	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.

STATEMENT

Domestic Service and Commercial Lighting

Municipality	1924								
	Domestic service				Commercial light				Prompt payment discount
	Service charge per month	First 60 kw-hr. per month per kw-hr.	All additional per kw-hr	Minimum net monthly bill	First 50 hr. per kw-hr	Next 50 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Clinton	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Coldwater	33	2.5	1.25	1.00	5	2.5	1	1.00	10
Collingwood	33	2	1	0.75	4	2	1	0.75	10
Comber	33	4	2	2.25	8	4	1	1.25	10
Cookstown	33	5	2	1.50	10	5	1	1.50	10
Courtright	3*	8**	2	2.75	16†	8††	1.6	2.75	10
Creemore	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Dashwood	33	6	2	1.25	12	6	1.2	1.25	10
Delaware	33	5	2	1.25	10	5	1	1.25	10
Dereham Twp				Rural	Rates				
Dorchester	33	3	1.5	0.75	6	3	1	0.75	10
Drayton	33	5	2	1.25	10	5	1	1.25	10
Dresden	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Drumbo	33	4	2	1.00	8	4	1	1.00	10
Dublin	33	5	2	1.50	10	5	1	1.50	10
Dundalk	33	3	1.5	1.00	6	3	1	1.00	10
Dundas	33	2	1	0.75	4	2	1	0.75	10
Dunnville	33	3	1.5	0.75	6	3	1	0.75	10
Durham	33	3	1.5	0.75	6	3	1	0.75	10
Dutton	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Elmira	33	2	1	0.75	4	2	1	0.75	10
Elmvale	33	2	1	0.75	4	2	1	0.75	10
Elmwood	33	5	2	1.25	10	5	1	1.25	10
Elora	33	2	1	0.75	4	2	1.6	0.75	10
Embro	33	4.5	2	1.50	9	4.5	1	1.50	10
Erieau	.....	7.5‡‡	2	1B 1.90 1C 3.38	.....	7.5	2	1B 1.90 1C 3.38	10
Erie Beach	.....	.....	.....	.....	.....	.....	.....	.....	.....
Essex	3*	7**	3.5	0.75	14†	7††	1.4	0.75	10
Etobicoke Twp	33	3	1.5	0.75	6	3	1	0.75	10
Exeter	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Fergus	33	2	1	0.75	4	2	1	0.75	10
Flesherton	33	3.5	1.25	1.50	7	3.5	1	1.50	10
Ford City	33	2.5	1.25	0 75	5	2.5	1	0.75	10
Forest	33	4	2	1.00	8	4	1	1.00	10
Forest Hill	33	3	1.5	0.75	6	3	1	0.75	10
Galt	33	2‡	1	0.75	4	2††	1	0.75	10
Gamebridge	33+50c	8	2	1.50	16	8	1.6	1.50	10
Georgetown	33	2	1	0.75	4	2	1	0.75	10
Glencoe	33	3.5	1.75	1.00	7	3.5	1	1.00	10
Glen Williams, ext.	33	3	1.5	0.75	6	3	1	0.75	10
Goderich	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Grand Valley	33	5	2	1.25	10	5	1	1.25	10
Granton	33	3	1.5	1.00	6	3	1	1.00	10
Gravenhurst	33	3	1.5	1.00	6	3	1	1.00	10
Guelph	3*	2**	1	0.75	4†	2††	0.4	0.75	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
‡Per kw-hr. for first 100 kw-hr. per month.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.
‡‡Per kw-hr. for first 30 kw-hr. per month.

"G"—Continued

Rates in Hydro Municipalities

1925

Domestic service				Commercial light				
Service charge per month	First 60 kw-hr. per month per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	First 50 hr. per kw-hr.	Next 50 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	2.5	1.25	1.00	5	2.5	1	1.00	10
33	2	1	0.75	4	2	1	0.75	10
33	4	2	2.25	8	4	1	1.25	10
33	5	2	1.50	10	5	1	1.50	10
33	7	2	2.25	14	7	1.4	2.25	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	6	2	1.25	12	6	1.2	1.25	10
33	5	2	1.25	10	5	1	1.25	10
Eight months operation.			Rural	Rates.				
33	3	1.5	0.75	6	3	1	0.75	10
33	5	2	1.25	10	5	1	1.25	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	4	2	1.00	8	4	1	1.00	10
33	5	2	1.50	10	5	1	1.50	10
33	3	1.5	1.00	6	3	1	1.00	10
33	2	1	0.75	4	2	1	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	5	2	1.25	10	5	1	1.25	10
33	2	1	0.75	4	2	1.6	0.75	10
33	4.5	2	1.50	9	4.5	1	1.50	10
33	7.5	2	2.00	15	7.5	1.5	2.00	10
33	7.5	2	2.00	15	7.5	1.5	2.00	10
33	5	2	0.75	10	5	1.0	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	3.5	1.25	1.50	7	3.5	1	1.50	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	4	2	1.00	8	4	1	1.00	10
33	3	1.5	0.75	6	3	1	0.75	10
33	2‡	1	0.75	4	2††	1	0.75	10
33+50c.	8	2	1.50	16	8	1.6	1.50	10
33	2	1	0.75	4	2	1	0.75	10
33	3.5	1.75	1.00	7	3.5	1	1.00	10
33	3	1.5	0.75	6	3	1	0.75	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	5	2	1.25	10	5	1	1.25	10
33	3	1.5	1.00	6	3	1	1.00	10
33	3	1.5	1.00	6	3	1	1.00	10
33	2	1	0.75	4	2	1	0.75	10

‡Per kw-hr. for first 100 kw-hr. per month. ††Next 70 hr. per kw-hr.

STATEMENT

Domestic Service and Commercial Lighting

Municipality	1924								
	Domestic service				Commercial light				
	Service charge per month	First 60 kw-hr. per month per kw-hr	All additional per kw-hr	Minimum net monthly bill	First 50 hr. per kw-hr	Next 50 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	Prompt payment discount
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Hagersville	33	2	1	0.75	4	2	1	0.75	10
Hamilton	3*	2**	1	0.75	3.5†	1.75††	0.35	0.75	10
Hanover	33	3	1.5	0.75	6	3	1	0.75	10
Harriston	33	3	1.5	1.00	6	3	1	1.00	10
Harrow	3*	6.5**	3.25	0.75	13†	6.5††	1.3	0.75	10
Havelock	3*	5.5**	2	0.75	11†	5.5††	1.1	0.75	10
Hensall	33	5	2	1.25	10	5	1	1.25	10
Hespeler	33	2	1	1.00	4	2	1	0.75	10
Highgate	33	4	2	1.00	8	4	1	1.00	10
Holstein	3*	9**	2	1.50	18†	9††	1.8	1.50	10
Horning's Mills	33	7	2	1.50	14	7	1.4	1.50	10
Humberstone	33	3	1.5	0.75	6	3	1.0	0.75	10
Huntsville	33	5	2	1.00	10	5	1	1.00	10
Ingersoll	3*	2**	1	0.75	4†	2††	0.4	0.75	10
Jarvis	3*	6**	2	1.50	12†	6††	1.2	1.50	10
Kemptville	33	4	2	1.25	8	4	1	1.50	10
Kincardine	33	5	2	1.50	10	5	1	1.50	10
Kingston	3*	3**	1.5	0.75	6†	3††	1	0.75	10
Kingsville	3*	6.5**	3.25	0.75	13†	6.5††	1.3	0.75	10
Kirkfield	33	4	2	1.50	8	4	1	1.50	10
Kitchener	3*	2**	1	0.75	4†	2††	0.4	0.75	10
Lakefield	3*	5.5**	2	1.00	11†	5.5††	1.1	1.00	10
Lambeth	33	4	2	1.25	8	4	1	1.25	10
Lanark	33	6	2	1.50	12	6	1.2	2.00	10
Lancaster	33	8	2	1.75	16	8	1.6	2.50	10
Leamington	3*	7**	3.5	0.75	14†	7††	1.4	0.75	10
Listowel	33	2	1	0.75	4	2	1	0.75	10
London	3*	2**	1	0.75	4†	2††	0.4	0.75	10
London Twp. V.A.	6*	4**	2	1.00	8†	4††	0.8	1.00	10
Lucan	33	3	1.5	0.75	6	3	1	0.75	10
Lucknow	3*	6**	2	1.50	12†	6††	1.2	1.50	10
Louth Twp.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lynden	33	3	1.5	1.25	6	3	1	1.25	10
Markdale	33	2.5	1.25	1.00	5	2.5	1	1.00	10
Markham	33	5	2	1.00	10	5	1	1.00	10
Marmora	3*	6**	2	1.00	12†	6††	1.2	1.00	10
Martintown	33	7	2	1.50	14	7	1.4	2.00	10
Maxville	33	8	2	1.50	16	8	1.6	2.00	10
Meaford	33	5	2	1.50	10	5	1	1.50	10
Merlin	33	6	2	1.50	12	6	1.2	2.00	10
Merritton	3*	2**	1	0.75	4†	2††	0.4	0.75	10
Midland	33	2	1	0.75	4	2	1	0.75	10
Milton	33	3	1.5	0.75	6	3	1	0.75	10
Milverton	33	3	1	0.75	6	3	1	0.75	10
Mimico	33	2	1	0.75	4	2	1	0.75	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.

"G"—Continued

Rates in Hydro Municipalities

1925

Domestic service				Commercial light				
Service charge per month	First 60 kw-hr. per month per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	First 50 hr. per kw-hr.	Next 50 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
33	2	1	0.75	4	2	1	0.75	10
3*	2**	1	0.75	3.5†	1.75††	0.35	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	3	1.5	1.00	6	3	1	1.00	10
33	5.5	2	0.75	11	5.5	1.1	0.75	10
3*	5.5**	2	0.75	11†	5.5††	1.1	0.75	10
33	5	2	1.25	10	5	1	1.25	10
33	2	1	1.00	4	2	1	0.75	10
33	4	2	1.00	8	4	1	1.00	10
33	9	2	1.50	18	9	1.8	1.50	10
33	7	2	1.50	14	7	1.4	1.50	10
33	3.0	1.5	0.75	6	3	1.0	0.75	10
33	5	2	1.00	10	5	1	1.00	10
3*	2**	1	0.75	4†	2††	0.4	0.75	10
33	6	2	1.50	12	6	1.2	1.50	10
33	4	2	1.25	8	4	1	1.50	10
33	5	2	1.50	10	5	1	1.50	10
3*	3**	1.5	0.75	6†	3††	1	0.75	10
33	5	2	0.75	10	5	1	0.75	10
33	4	2	1.50	8	4	1	1.50	10
3*	2**	1	0.75	4†	2††	0.4	0.75	10
3*	5.5**	2	1.00	11†	5.5††	1.1	1.00	10
33	4	2	1.25	8	4	1	1.25	10
33	6	2	1.50	12	6	1.2	2.00	10
33	8	2	1.75	16	8	1.6	2.50	10
33	5	2	0.75	10	5	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
3*	2**	1	0.75	4†	2††	0.4	0.75	10
66	4	2	1.00	8	4	1	1.00	10
33	3	1.5	0.75	6	3	1	0.75	10
3*	6**	2	1.50	12†	6††	1.2	1.50	10
			Rural Rates					
33	3	1.5	1.25	6	3	1	1.25	10
33	2.5	1.25	1.00	5	2.5	1	1.00	10
33	5	2	1.00	10	5	1	1.00	10
3*	6**	2	1.00	12†	6††	1.2	1.00	10
33	7	2	1.50	14	7	1.4	2.00	10
33	8	2	1.50	16	8	1.6	2.00	10
33	5	2	1.00	10	5	1	1.00	10
33	6	2	1.50	12	6	1.2	2.00	10
33	2	1	0.75	4	2	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	3	1	0.75	6	3	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.

STATEMENT

Domestic Service and Commercial Lighting

Municipality	1924								
	Domestic service				Commercial light				
	Service charge per month	First 60 kw-hr. per month per kw-hr	All additional per kw-hr	Minimum net monthly bill	First 50 hr. per kw-hr	Next 50 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	Prompt payment discount
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Mitchell	3*	3**	1.5	0.75	6†	3††	0.6	0.75	10
Moorefield	33	6	2	1.50	12	6	1.2	1.50	10
Mount Brydges	33	4	2	1.25	8	4	1	1.25	10
Mount Forest	33	3	1.5	1.00	6	3	1	1.00	10
Neustadt	33	6	2	1.50	12	6	1.2	1.50	10
Newbury	33	6	2	1.00	12	6	1.2	1.00	10
New Hamburg	33	2	1	0.75	4	2	1	0.75	10
Nipigon Twp.	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Toronto	33	2	1	0.75	4	2	1	0.75	10
Niagara Falls	3*	2**	1	0.75	4†	2††	0.4	0.75	10
Niagara-on-the-Lake	33	2	1	0.75	4	2	1	0.75	10
Norwich	33	2	1	0.75	4	2	1	0.75	10
Norwood	3*	5**	2	0.75	10†	5††	1	0.75	10
Oil Springs	33	4	2	1.00	8	4	1	1.00	10
Omemee	3*	4**	2	1.00	8†	4††	0.8	1.00	10
Orangeville	33	3.5	1.75	1.00	7	3.5	1	1.00	10
Ottawa	3*	2**	1 & ½	0.75	5†	2.2††	0.5	0.75	10
Otterville	33	3	1.5	1.00	6	3	1	1.00	10
Owen Sound	33	2	1	0.75	4	2	1	0.75	10
Paisley	33	7	2	2.00	14	7	1.4	1.50 to 3.00	10
Palmerston	33	2	1	0.75	4	2	1	0.75	10
Paris	33	2	1	0.75	4	2	1	0.75	10
Parkhill	33	4	2	1.00	8	4	1	1.00	10
Penetang	33	2	1	0.75	4	2	1	0.75	10
Perth	33	3	1.5	0.75	6	3	1	0.75	10
Peterboro'	3*	2.5**	1.25	0.75	5†	2.5††	0.5	0.75	10
Petrolia	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Plattsville	33	5	2	1.50	10	5	1	1.50	10
Picton	3*	3**	1.5	0.75	6†	3††	0.6	0.75	10
Point Edward	33	3	1.5	0.75	6	3	1	0.75	10
Port Arthur	3*	2**	1	0.75	5†	2.5††	0.5	0.75	10
Port Colborne	33	2	1	0.75	4	2	1	0.75	10
Port Credit	33	2	1	0.75	4	2	1	0.75	10
Port Dalhousie	33	3	1.5	0.75	6	3	1	0.75	10
Port Dover	33	4	2	1.25	8	4	1	1.25	10
Port McNicoll	33	3	1.5	1.00	6	3	1	1.00	10
Port Perry	33	6	2	1.50	12	6	1.2	1.00 to 1.50	10
Port Stanley	33	3	1.5	0.75	6	3	1	0.75	10
Prescott	33	2	1	0.75	4	2	1	0.75	10
Preston	3*	2.5**	1.25	0.75	5†	2.5††	0.5	0.75	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.

"G"—Continued

Rates in Hydro Municipalities

1925

Domestic service				Commercial light				
Service charge per month	First 60 kw-hr. per month per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	First 50 hr. per kw-hr.	Next 50 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
3*	3**	1.5	0.75	4†	2††	1	0.75	10
33	6	2	1.50	12	6	1.2	1.50	10
33	4	2	1.25	8	4	1	1.25	10
33	3	1.5	1.00	6	3	1	1.00	10
33	6	2	1.50	12	6	1.2	1.50	10
33	6	2	1.00	12	6	1.2	1.00	10
33	2	1	0.75	4	2	1	0.75	10
33	6	2	1.50	12	6	1.2	1.50	10
33	2	1	0.75	4	2	1	0.75	10
3*	2**	1	0.75	4†	2††	0.4	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
3*	5**	2	0.75	10†	5††	1	0.75	10
33	4	2	1.00	8	4	1	1.00	10
3*	4**	2	1.00	8†	4††	0.8	1.00	10
33	3.5	1.75	1.00	7	3.5	1	1.00	10
3*	2**	1 & ½	0.75	5†	2.2††	0.5	0.75	10
33	3	1.5	1.00	6	3	1	1.00	10
33	2	1	0.75	4	2	1	0.75	10
33	7	2	2.00	14	7	1.4	1.50 to 3.00	10
33	2	1	0.75	4	2	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	4	2	1.00	8	4	1	1.00	10
33	2	1	0.75	4	2	1	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
3*	2.5**	1.25	0.75	5†	2.5††	0.5	0.75	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	5	2	1.50	10	5	1	1.50	10
33	2.5	1.25	0.75	4.5	2	1	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
3*	2**	1	0.75	5†	2.5††	0.5	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	4	2	1.25	8	4	1	1.25	10
33	3	1.5	1.00	6	3	1	1.00	10
33	6	2	1.50	12	6	1.2	1.00 to 1.50	10
33	3	1.5	0.75	6	3	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
3*	2.5**	1.25	0.75	5†	2.5††	0.5	0.75	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.

STATEMENT

Domestic Service and Commercial Lighting

Municipality	1924								
	Domestic service				Commercial light				Prompt payment discount
	Service charge per month	First 60 kw-hr. per month per kw-hr	All additional per kw-hr	Minimum net monthly bill	First 50 hr. per kw-hr	Next 50 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Priceville	33	7	3.5	1.50	14	7	1.4	1.50	10
Princeton	33	5	2	1.50	10	5	1	1.50	10
Queenston	33	2.5	1.25	1.25	5	2.5	1	1.25	10
Richmond Hill									
Ridgetown	33	2	1	0.75	4	2	1	0.75	10
Ripley	33	7.5	2	2.00	15	7.5	1.5	2.00	10
Riverside	33	4	2	1.25	8	4	1	1.25	10
Rockwood	33	2	1	1.00	4	2	1	1.00	10
Rodney	33	3	1.5	0.75	6	3	1	0.75	10
St. Catharines	3*	2**	1	0.75	3.5†	1.75††	0.35	0.75	10
St. Clair Beach	33	6	2	2.00	12	6	1.2	2.00	10
St. George	33	2	1	0.75	4	2	1	0.75	10
St. Jacobs	33	3	1.5	1.00	6	3	1	1.00	10
St. Marys	33	2.5	1.25	0.75	5	2.5	1	0.75	10
St. Thomas	3*	2**	1	0.75	4†	2††	0.4	0.75	10
Sandwich	33	3	1.5	0.75	6	3	1	0.75	10
Sarnia	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Scarboro Twp	33	3	1.5	0.75	6	3	1	0.75	10
Seaforth	33	3	1.5	0.75	6	3	1	0.75	10
Shelburne	33	4	2	1.00	8	4	1	1.00	10
Simcoe	33	2	1	0.75	4	2	1	0.75	10
Smiths Falls	33	4	2	1.00	8	4	1	1.00	10
Springfield	33	5	2	1.00	10	5	1	1.00	10
Stamford Twp	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Stayner	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Stouffville	33	6	2	1.00	12	6	1.2	1.00	10
Stratford	33	2.5‡	1.25	0.75	5	2.5‡‡	1	0.75	10
Strathroy	33	2	1	0.75	4	2	1	0.75	10
Sunderland	33	5	2	1.25	10	5	1	1.25	10
Sutton	33	6	2	1.00	12	6	1.2	1.00	10
Tara	33	7	2	1.50	14	7	1.4	1.50 to 3.00	10
Tavistock	33	2.5	1.25	1.00	5	2.5	1	1.00	10
Tecumseh	33	5	2	1.50	10	5	1	1.50	10
Teeswater	33	5	2	1.50	10	5	1	1.50	10
Thamesford	33	4	2	1.00	8	4	1	1.00	10
Thamesville	33	3	1.5	1.00	6	3	1	1.00	10
Thedford	33	6	2	1.50	12	6	1.2	1.50	10
Thorndale	33	5	2	1.25	10	5	1	1.25	10
Thornton	33	6	2	1.50	12	6	1.2	1.50	10
Thorold	33	2	1	0.75	4	2	1	0.75	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
‡Per kw-hr. for first 90 kw-hr. per month.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.
‡‡Next 100 hr. per kw-hr.

"G"—Continued

Rates in Hydro Municipalities

1925

Domestic service				Commercial light				
Service charge per month	First 60 kw-hr. per month per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	First 50 hr. per kw-hr.	Next 50 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
33	7	3.5	1.50	14	7	1.4	1.50	10
33	5	2	1.50	10	5	1	1.50	10
33	2.5	1.25	1.25	5	2.5	1	1.25	10
33	4.5	2	0.75	9	4.5	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	7.5	2	2.00	15	7.5	1.5	2.00	10
33	4	2	1.25	8	4	1	1.25	10
33	2	1	1.00	4	2	1	1.00	10
33	3	1.5	0.75	6	3	1	0.75	10
3*	2**	1	0.75	3.5†	1.75††	0.35	0.75	10
33	6	2	2.00	12	6	1.2	2.00	10
33	2	1	0.75	4	2	1	0.75	10
33	3	1.5	1.00	6	3	1	1.00	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	2	1	0.75	4	2	0.4	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	4	2	1.00	8	4	1	1.00	10
33	2	1	0.75	4	2	1	0.75	10
33	4	2	1.00	8	4	1	1.00	10
33	5	2	1.00	10	5	1	1.00	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	6	2	1.00	12	6	1.2	1.00	10
33	2.5‡	1.25	0.75	5	2.5‡‡	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	5	2	1.25	10	5	1	1.25	10
33	6	2	1.00	12	6	1.2	1.00	10
33	7	2	1.50	14	7	1.4	1.50 to 3.00	10
33	2.5	1.25	1.00	5	2.5	1	1.00	10
33	5	2	1.50	10	5	1	1.50	10
33	5	2	1.50	10	5	1	1.50	10
33	4	2	1.00	8	4	1	1.00	10
33	3	1.5	1.00	6	3	1	1.00	10
33	6	2	1.50	12	6	1.2	1.50	10
33	5	2	1.25	10	5	1	1.25	10
33	6	2	1.50	12	6	1.2	1.50	10
33	2	1	0.75	4	2	1	0.75	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
‡Per kw-hr. for first 90 kw-hr. per month.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.
‡‡Next 100 hr. per kw-hr.

STATEMENT

Domestic Service and Commercial Lighting

Municipality	1924								
	Domestic service				Commercial light				Prompt payment discount
	Service charge per month	First 60 kw-hr. per month per kw-hr	All additional per kw-hr	Minimum net monthly bill	First 50 hr. per kw-hr	Next 50 hr. per kw-hr	All additional per kw-hr	Minimum net monthly bill	
	cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
Tilbury	33	3	1.5	1.00	6	3	1	1.00	10
Tillsonburg	33	2	1	0.75	4	2	1	0.75	10
Toronto	3*	2**	1	0.75	5†	3††	1	0.75	10
Toronto Twp.	75	4	2	1.00	8	4	1	1.00	10
Tottenham	33	6	2	1.50	12	6	1.2	1.50	10
Trafalgar Twp.	3*	5**	2	2.00	10†	5††	1	2.00	10
Uxbridge	33	6	2	1.50	12	6	1.2	1.00 to 1.50	10
Vaughan Twp.				Rural	Rates				
Victoria Harbor	33	3	1.5	1.00	6	3	1	1.00	10
Walkerville	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Wallaceburg	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Wardsville	33	6	2	1.50	12	6	1.2	1.50	10
Warkworth	3*	8**	2	2.00	16†	8††	1.6	2.00	10
Waterdown	33	2	1	0.75	4	2	1	0.75	10
Waterford	33	2	1	0.75	4	2	1	0.75	10
Waterloo	33	2	1	0.75	4	2	1	0.75	10
Watford	33	4	2	1.00	8	4	1	1.00	10
Waubaushene	33	3	1.5	1.00	6	3	1	1.00	10
Welland	3*	2**	1	0.75	4†	2††	0.4	0.75	10
Wellesley	33	3	1.5	1.00	6	3	1	1.00	10
Wellington	3*	6**	2	1.00	12†	6††	1.2	1.00	10
West Lorne	33	3	1.5	0.75	6	3	1	0.75	10
Weston	33	2	1	0.75	4	2	1	0.75	10
Wheatley	3*	9**	2	2.00	18†	9††	1.8	2.00	10
Williamsburg	33	4	2	1.50	8	4	1	1.50	10
Winchester	33	3	1.5	1.00	6	3	1	1.00	10
Windsor	33	2.5	1.25	0.75	5	2.5	1	0.75	10
Wingham	33	5	2	1.00	10	5	1	1.00	10
Woodbridge	33	2	1	0.75	4	2	1	0.75	10
Woodstock	3*	2**	1	0.75	4†	2††	0.4	0.75	10
Woodville	33	5	2	1.25	10	5	1	1.25	10
Wyoming	33	5	2	1.00	10	5	1	1.00	10
York Twp.	33	3	1.5	0.75	6	3	1	0.75	10
York E. Twp.	33	3	1.5	0.75	6	3	1	0.75	10
York N. Twp.	33	5	2	1.00	10	5	1	1.00	10
Zurich	33	4	2	1.25	8	4	1	1.25	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.

"G"—Concluded

Rates in Hydro Municipalities

1925

Domestic service				Commercial light				
Service charge per month	First 60 kw-hr. per month per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	First 50 hr. per kw-hr.	Next 50 hr. per kw-hr.	All additional per kw-hr.	Minimum net monthly bill	Prompt payment discount
cents	cents	cents	$ c.	cents	cents	cents	$ c.	%
33	3	1.5	1.00	6	3	1	1.00	10
33	2	1	0.75	4	2	1	0.75	10
3*	2**	1	0.75	4‡	2††	1	0.75	10
75	4	2	1.00	8	4	1	1.00	10
33	6	2	1.50	12	6	1.2	1.50	10
3*	5**	2	2.00	10†	5††	1	2.00	10
33	6	2	1.50	12	6	1.2	1.00 to 1.50	10
Two months operation.			Rural Rates					
33	3	1.5	1.00	6	3	1	1.00	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	6	2	1.50	12	6	1.2	1.50	10
3*	8**	2	2.00	16†	8††	1.6	2.00	10
33	2	1	0.75	4	2	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	4	2	1.00	8	4	1	1.00	10
33	3	1.5	1.00	6	3	1	1.00	10
3*	2**	1	0.75	4†	2††	0.4	0.75	10
33	3	1.5	1.00	6	3	1	1.00	10
3*	6**	2	1.00	12†	6††	1.2	1.00	10
33	3	1.5	0.75	6	3	1	0.75	10
33	2	1	0.75	4	2	1	0.75	10
33	7	2	2.00	14	7	1.4	2.00	10
33	4	2	1.50	8	4	1	1.50	10
33	3	1.5	1.00	6	3	1	1.00	10
33	2.5	1.25	0.75	5	2.5	1	0.75	10
33	5	2	1.00	10	5	1	1.00	10
33	2	1	0.75	4	2	1	0.75	10
3*	2**	1	0.75	4†	2††	0.4	0.75	10
33	5	2	1.25	10	5	1	1.25	10
33	5	2	1.00	10	5	1	1.00	10
33	3	1.5	0.75	6	3	1	0.75	10
33	3	1.5	0.75	6	3	1	0.75	10
33	5	2	1.00	10	5	1	1.00	10
33	4	2	1.25	8	4	1	1.25	10

*Service charge per 100 square feet.
**Per kw-hr. for first 3 kw-hr. per 100 square feet.
‡First 70 hr. per kw-hr.
†First 30 hr. per kw-hr.
††Next 70 hr. per kw-hr.

APPENDIX I

ACTS

Chapter 23, 1925.

An Act to amend The Power Commission Act.

Assented to 14th April, 1925.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

1. This Act may be cited as *The Power Commission Act, 1925.* Short title.

2. Section 6*cc* of *The Power Commission Act*, as enacted by section 2 of *The Power Commission Act, 1919*, is repealed and the following substituted therefor,— Rev. Stat. c. 39, s. 6*cc* (1919, c. 16, s. 2), repealed.

6*cc*.—(1) The Commission, with the approval of the Lieutenant-Governor in Council, may establish and maintain a fund for the payment of superannuation allowances or allowances upon the death or disability of its employees, and may make regulations providing for contributions to the fund by the Commission and by its employees, and for the terms and conditions upon which any superannuation or other allowance shall be payable and the persons to whom the same may be paid. Superannuation fund and allowances.

(2) The cost to the Commission of maintaining and administering any such fund shall be deemed part of the cost of the administration of the Commission and shall be chargeable accordingly. Cost to Commission to be chargeable to administration.

3. Section 6*ccc* of *The Power Commission Act*, as enacted by section 2 of *The Power Commission Act, 1919*, is amended by striking out the word "permanent" in the fifth line and inserting in lieu thereof the words "in the said fund." Rev. Stat. c. 39, s. 6*ccc* (1919, c. 16, s. 2), amended. Including employees of Municipal Commission in fund.

4. Section 12*a* of *The Power Commission Act*, as enacted by section 4 of *The Power Commission Act, 1917*, is amended by inserting at the commencement of subsection 2 the words "Subject to the provisions of subsection 3," and by adding thereto the following subsection,— Rev. Stat. c. 39, s. 12*a* (1917, c. 20, s. 4), amended. Assessment of lands of Commission.

Assessment of retail shops of Commission.

(3) Where the Commission is carrying on the business of selling by retail electrical goods, supplies or appliances it may be assessed and shall thereupon be liable to taxation in respect of such business and the land and buildings owned or occupied for the purposes thereof in the same manner and to the same extent as a retail merchant carrying on the same business.

Rev. Stat. c. 39, s. 52 (1924, c. 23, s. 19), amended.

Lien for rates to be postponed on mortgages or leases prior to entry on roll.

5. Section 52 of *The Power Commission Act*, as enacted by section 19 of *The Power Commission Act, 1924*, is amended by inserting after the word "Commission" in the nineteenth line, the following words: "Provided that when a mortgage or lease of the building or lot, or part of lot in question, has been duly registered, prior to an entry upon the collector's roll as above described, the lien and charge hereby created shall rank after advances actually made under such mortgage and after rent accrued due under such lease prior to such entry."

Arrears of interest during construction of Thunder Bay System.

6. The sum of $620,818.33 being the amount payable on interest account accrued during the construction of the works known as the "Thunder Bay System" of the Commission, down to the 31st day of October, 1923, shall for all purposes be deemed to be and be chargeable as capital expenditure upon the works of the Commission in the said system.

By-laws confirmed.

7. By-law No. 536 of the corporation of the town of Kingsville; By-laws Nos. 1113, 1114 and 1126 of the corporation of the town of Leamington; By-laws Nos. 706, 707 and 731 of the corporation of the town of Essex; By-law No. 1339 of the corporation of the town of Sandwich; By-laws Nos. 49 and 52 of the corporation of the village of Erieau; By-laws Nos. 132 and 133 of the corporation of the village of Humberstone; By-laws Nos. 100 and 101 of the corporation of the police village of Harrow; By-laws Nos. 12 of 1922 and 9 of 1923 of the corporation of the police village of Campbellville; By-law No. 14 of 1924 of the corporation of the township of Nassagaweya; By-law No. 1021 of the corporation of the township of Seymour; By-law No. 66 of the corporation of the township of Tuckersmith; By-law No. 916 of the corporation of the township of Pelham; By-law No. 699 of the corporation of the township of Ellice; By-law No. 633 of the corporation of the township of Downie; By-law No. 14 of the corporation of the township of Biddulph; By-law No. 586 of the corporation of the township of Guelph; By-law No. 198 of the corporation of the township of Haldimand; By-law No. 450 of the corporation of the township of North Gower; By-law No. 10 of 1924 of the corporation of the township of Puslinch; By-law No. 234 of the corporation of the township of Nipigon; By-law No. 510 of the corporation of the township of North Cayuga; By-law No. 546 of the corporation of the township of Gosfield North; By-law No. 737 of the corporation of the township of Thurlow; By-law No. 685 of the corporation of the township of Malden; By-law No. 20 of 1924 of the corporation of the township of Osgoode; By-law No. 963 of the corporation of the township of

West Flamboro; By-law No. 94 of the corporation of the township of Colchester South; By-law No. 79 of the corporation of the township of Gloucester: By-laws Nos. 1338, 1375, 1631 and 1690 of the corporation of the township of Etobicoke; and all debentures issued or to be issued or purporting to be issued, under any of the said by-laws which authorize the issue of debentures, are confirmed and declared to be legal, valid and binding upon such corporations and the ratepayers thereof respectively, and shall not be open to question upon any grounds whatsoever, notwithstanding the requirements of *The Power Commission Act*, or the amendments thereto, or any other Act of this Legislature.

Chapter 24, 1925.

An Act to amend The Power Commission and Companies' Transfer Act, 1924.

Assented to 14th April, 1925.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

1. This Act may be cited as *The Power Commission and Companies' Transfer Act, 1925*. Short title.

2. *The Power Commission and Companies' Transfer Act, 1924*, is amended by adding thereto the following section,— 1924, c. 24, amended.

3*a*. Upon the execution and delivery of the said agreement the distribution system in the City of Toronto therein referred to shall be vested in the Corporation of the City of Toronto, free from any claim, direct or indirect, of any person whatsoever under any and all of the indentures of mortgage and vendor's lien recited in the said agreement. Distribution system in Toronto vested in city.

3. The agreement between The Electrical Development Company of Ontario Limited, The Hydro-Electric Power Commission of Ontario (hereinafter called the "Commission"), National Trust Company Limited, The Toronto Power Company Limited and His Majesty the King represented by the Lieutenant-Governor of the Province of Ontario acting by the Honourable G. Howard Ferguson, Premier of the said Province, dated the 25th day of March, 1924, and being in the form set out in Schedule "A" to *The Power Commission and Companies' Transfer Act, 1924*, is hereby confirmed and declared to be legal, valid and binding to all intents and purposes and to have been authorized by *The Power Commission and Companies' Transfer Act, 1924*, as provided in section 2 thereof, and, subject as provided in the said Act, the property therein sold and transferred to the Commission shall be and shall be deemed to have been from the date of such agreement vested in the Commission. Agreement between Electrical Development Co. and Commission confirmed.

Contracts between companies and Commission confirmed.

4. The contract between the Ontario Power Company of Niagara Falls and the Commission and the contract between the Ontario Transmission Company Limited and the Commission each dated the 17th day of April, 1924, set out in Schedule "A" hereto are hereby confirmed and declared to be legal, valid and binding to all intents and purposes and to have been authorized by *The Power Commission and Companies' Transfer Act, 1924*, and all properties, rights, assets and franchises of the Ontario Power Company of Niagara Falls and of the Ontario Transmission Company Limited which were therein sold and transferred to the Commission shall be and shall be deemed to have been from the said 17th day of April, 1924, vested in the Commission but subject to the terms, covenants, agreements, provisos and conditions referred to or set out in the said contracts respectively; and subject more particularly to the indentures of mortgage and agreements respectively mentioned in section 4 of *The Power Commission and Companies' Transfer Act, 1924*, and in the said contracts and to the bonds secured by the said indentures and agreements and to all rights by such indentures, agreements and bonds reserved, and subject also to the provisions of sections 4, 5, 6 and 7 of *The Power Commission and Companies' Transfer Act, 1924*.

Noting Act in register.

5. A copy of this Act and of *The Power Commission and Companies' Transfer Act, 1924*, shall be deposited, copied and registered in the general register of every registry office and land titles office in which is registered or recorded the title to any lands in which any of the companies mentioned in sections 3 and 4 of this Act has any right or interest and along with it shall be deposited, copied and registered a copy of each agreement and contract mentioned in sections 3 and 4 of this Act which affects the title to any land in such office, and every registrar of deeds or master of titles as the case may be, shall, upon the request of the Commission, enter in the abstract index of each parcel or tract of land in which any such company has any right or interest a note, entry or memorandum showing that all right, title and interest of such company was vested in the Commission on the date of the agreement or contract so registered and referring to the registration number in the general register where the said Acts and such agreement or contract have been registered as aforesaid.

Commencement of Act.

6. This Act shall come into force on the day upon which it receives the Royal Assent.

SCHEDULE "A"

This Agreement made this 17th of April, A.D. 1924.

BETWEEN:

THE ONTARIO POWER COMPANY OF NIAGARA FALLS,
hereinafter called the "Ontario Company,"

of the first part

—and—

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission,"

of the second part.

Whereas the Ontario Company has constructed, and is maintaining and operating works for the development of electrical power or energy in The Queen Victoria Niagara Falls Park;

And whereas the Ontario Company, to secure an issue of First Mortgage Five Per Cent. Forty Year Sinking Fund Gold Bonds amounting to Twelve Million Dollars ($12,000,000), has mortgaged all its undertaking, properties, rights, assets and franchises to The Toronto General Trusts Corporation under an Indenture of Mortgage dated the 2nd day of February, 1903;

And whereas, by Agreement set out as part of Schedule "U" to *The Power Commission Act, 1918*, the Commission guaranteed to the said The Toronto General Trusts Corporation the due payment of the said Bonds, and of all interest thereon, and Sinking Fund payments connected therewith secured by the said Mortgage, and His Majesty The King, acting therein by the Lieutenant-Governor of the Province of Ontario, through the then Prime Minister of the said Province, guaranteed to the said The Toronto General Trusts Corporation the due performance and observance by the Commission of the said agreement of guarantee;

And whereas, by *The Power Commission and Companies' Transfer Act, 1924*, the Commission is authorized and empowered to make with the Ontario Company a contract or contracts for the sale and transfer to the Commission of all the properties, rights, assets and franchises of the Ontario Company, subject to the said Indenture of Mortgage dated the 2nd day of February, 1903, and to the Bonds secured thereby, and to all rights by such Indenture and Bonds reserved, and subject to the provisions of the said Act;

And whereas it is desirable for the more economical and convenient operation of the undertaking of the Commission, that all the said properties, rights, assets and franchises of the Ontario Company, subject always as aforesaid, be transferred to the Commission as herein provided;

Now therefore this Agreement witnesseth that for the considerations herein contained the parties hereto covenant and agree as follows:—

1. The Ontario Company, as beneficial owner, hereby bargains, sells, grants, conveys, assigns, transfers and sets over unto the Commission, its successors and assigns, subject to the said Indenture of Mortgage dated the 2nd day of February, 1903, and to the Bonds secured thereby, and to all rights by such Indenture and Bonds reserved, and to the provisions of *The Power Commission and Companies' Transfer Act, 1924*, all and singular the properties, rights, assets, and franchises of the Ontario Company;

2. The Ontario Company from time to time and at all times hereafter upon every reasonable request of and at the expense of the Commission will execute and deliver all further and other instruments and documents and do or cause to be done all acts and things whatsoever for the better and more perfectly conveying and assuring any and everything hereby conveyed or agreed or intended so to be and for the purpose of effectually carrying out the intents and purposes of this instrument;

3. The Commission from and after the date hereof will duly observe, fulfil and perform, and all present and future property of the Commission shall be subject to and charged with the due observance, fulfilment and performance of, all agreements, covenants, provisos, conditions, terms and obligations to be observed, fulfilled and performed by the Ontario Company or for the observance, fulfilment and performance of which the Ontario Company is or shall be liable under any and every indenture agreement, contract or franchise which has been prior to the date hereof entered into or held by the Ontario Company and every other party to any such indenture, agreement, contract or franchise shall have the same rights and remedies against the Commission,

and its property, under and in respect thereof, including the right to enforce observance, fulfilment and performance thereof and the right to recover damages for any failure in such observance, fulfilment and performance as such party has or at any time shall have or but for this sale and transfer would have against the said Ontario Company or its property and all such rights and remedies shall be enforceable against the Commission and its property by action or proceeding in any court of competent jurisdiction without fiat or consent;

4. The Commission hereby assumes and will pay and satisfy all other liabilities of the Ontario Company existing at the date of this Agreement;

5. Nothing herein contained and no sale and transfer hereunder shall invalidate, impair, modify or affect any of the guarantees contained in the said Agreement set out in Schedule "U" to *The Power Commission Act, 1918*, or in any agreement entered into pursuant thereto but notwithstanding anything herein contained or any such sale and transfer all of the said guarantees shall remain in full force and effect;

6. From and after the date of this Agreement, the sinking fund payments under the abovementioned indenture made by the Ontario Company dated the 2nd day of February, 1903, shall, under any and all circumstances and without any necessary relation to the amount of power actually sold by the Ontario Company and paid for by the Purchasers, amount to not less than the sum of One Hundred and Twenty-five Thousand Dollars ($125,000.00) in each year and shall be paid by the Commission on the 1st day of July in each year during the currency of the bonds by the said Indenture secured;

7. The Commission hereby releases and discharges the Ontario Company from all obligations of the Ontario Company to the Commission and from all claims and demands which the Commission has against the Ontario Company and without limiting the generality of the foregoing from all accounts owing to the Commission and from all moneys expended, credits given and advances made by the Commission to or on behalf of the Ontario Company whether for capital expenditure or otherwise;

8. This Agreement shall extend to be binding upon and enure to the benefit of the parties hereto, their successors and assigns;

In witness whereof the Parties hereto have caused this Agreement to be executed under their Corporate Seals and the hands of their proper officers duly authorized thereto.

WITNESS:
(Seal of Ontario Power Company of Niagara Falls.)

THE ONTARIO POWER COMPANY OF NIAGARA FALLS,
"A. BECK."
"W. W. POPE."

(Seal of the Hydro-Electric Power Commission of Ontario.)

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
"A. BECK," *Chairman.*
"W. W. POPE," *Secretary.*

This Agreement made this 17th day of April, A.D. 1924.

BETWEEN:

THE ONTARIO TRANSMISSION COMPANY, LIMITED,
hereinafter called the "Transmission Company,"
of the first part,

—and—

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission,"
of the second part.

Whereas the Transmission Company has constructed, and is maintaining and operating works for the transmission of electrical power or energy from Niagara Falls;

And whereas the Transmission Company, to secure an issue of First Mortgage Five Per Cent. Gold Bonds payable on the 1st day of May, 1945, to the amount of Two Million Dollars ($2,000,000), has mortgaged all its undertaking, properties, rights, assets and franchises to The Toronto General Trusts Corporation under certain Indentures of Mortgage and Agreements, dated respectively, the 16th day of August, 1905; the 20th day of April, 1910; the 11th day of June, 1910; and the 31st day of October, 1914;

And whereas by an Agreement set out as part of Schedule "U" to *The Power Commission Act, 1918*, the Commission guaranteed to the said The Toronto General Trusts Corporation the due payment of the said Bonds, and of interest thereon, and Sinking Fund payments connected therewith, secured by the said Mortgages and Agreements, and His Majesty The King, acting therein by the Lieutenant-Governor of the Province of Ontario, through the then Prime Minister of the said Province, guaranteed to the said The Toronto General Trusts Corporation the due performance and observance by the Commission of the said Agreement of guarantee;

And whereas, by *The Power Commission and Companies' Transfer Act, 1924*, the Commission is authorized and empowered to make with the Transmission Company a contract or contracts for the sale and transfer to the Commission of all the properties, rights, assets and franchises of ths Transmission Company, subject to the said Indentures of Mortgage and Agreements, and to the Bonds secured thereby, and to all rights by such Indentures, Agreements and Bonds reserved, and subject to the provisions of the said Act;

And whereas it is desirable, for the more economical and convenient operation of the undertaking of the Commission, that all the said properties, rights, assets and franchises of the Transmission Company, subject always as aforesaid, be transferred to the Commission, as herein provided;

Now therefore this Agreement witnesseth that, for the considerations herein contained, the parties hereto convenant and agree as follows:—

1. The Transmission Company, as beneficial owner, hereby bargains, sells, grants, conveys, assigns, transfers and sets over unto the Commission, its successors and assigns, subject to the said Indentures of Mortgage and Agreements, dated respectively the 16th day of August, 1905; the 20th day of April, 1910; the 11th day of June, 1910; and the 31st day of October, 1914; and to the Bonds secured thereby, and to all rights by such Indentures, Agreements and Bonds reserved, and to the provisions of *The Power Commission and Companies' Transfer Act, 1924*, all and singular the properties, rights, assets and franchises of the Transmission Company;

2. The Transmission Company from time to time and at all times hereafter upon every reasonable request of and at the expense of the Commission will execute and deliver all further and other instruments and documents and do or cause to be done all acts and things whatsoever for the better and more perfectly conveying and assuring any and everything hereby conveyed or agreed or intended so to be and for the purpose of effectually carrying out the intents and purposes of this instrument;

3. The Commission from and after the date hereof will duly observe, fulfil and perform, and all present and future property of the Commission shall be subject to and charged with the due observance, fulfilment and performance of, all agreements, covenants, provisos, conditions, terms and obligations to be observed, fulfilled and performed by the Transmission Company or for the observance, fulfilment and performance of which the Transmission Company is or shall be liable under any and every indenture, agreement, contract or franchise which has been prior to the date hereof entered into or held by the Transmission Company and every other party to any such indenture, agreement, contract or franchise shall have the same rights and remedies against the Commission and its property under and in respect thereof, including the right to enforce observance, fulfilment and performance thereof and the right to recover damages for any failure in such observance, fulfilment and performance as such party has or at any time shall have or but for this sale and transfer would have against the said Transmission Company or its property and all such rights and remedies shall be enforceable against the Commission and its property by action or proceeding in any court of competent jurisdiction without fiat or consent;

4. The Commission hereby assumes and will pay and satisfy all other liabilities of the Transmission Company existing at the date of this Agreement;

5. Nothing herein contained and no sale and transfer hereunder shall invalidate, impair, modify or affect any of the guarantees contained in the said agreement set out as Schedule "U" to *The Power Commission Act, 1918*, or in any agreement entered into pursuant thereto but notwithstanding anything herein contained or any such sale and transfer all of the said guarantees shall remain in full force and effect;

6. The Commission hereby releases and discharges the Transmission Company from all obligations of the Transmission Company to the Commission and from all claims and demands which the Commission has against the Transmission Company;

7. This Agreement shall extend to, be binding upon and enure to the benefit of the parties hereto, their successors and assigns;

In witness whereof the Parties hereto have caused this Agreement to be executed under their Corporate Seals and the hands of their proper officers duly authorized thereto.

WITNESS:
(The Ontario Transmission Company, Limited.)

THE ONTARIO TRANSMISSION COMPANY, LIMITED,
"A. BECK."
"W. W. POPE."

(The Hydro-Electric Power Commission of Ontario.)

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
"A. BECK," *Chairman.*
"W. W. POPE," *Secretary.*

Chapter 25, 1925.

An Act to confirm an Agreement between the Hydro-Electric Power Commission of Ontario, the City of Toronto and the Toronto Harbour Commissioners.

Assented to 14th April, 1925.

Preamble.

WHEREAS the City of Toronto has conveyed to the Toronto Harbour Commissioners certain land and water lots on which the transmission line and towers of The Hydro-Electric Power Commission of Ontario are erected and which run from the Humber river across Exhibition Park to the station at the foot of Strachan avenue; and whereas on that account it has become necessary to remove the said transmission line and towers to a new location; and whereas the Commission has entered into an agreement set out as Schedule "1" hereto with the Corporation of the City of Toronto and the Toronto Harbour Commissioners under which the City and the Harbour Commissioners agree to convey to the Commission all their interests in certain lands described in the schedule to the said agreement; and whereas the Commission has agreed to remove the said transmission line and towers to the said lands; and whereas in pursuance of the said agreement the Corporation of the City of Toronto has passed By-law 10259 set out as Schedule "2" hereto to close up parts of the Lake Shore road, Cliff road and Wilson avenue; and whereas it is desirable that the said agreement and by-law should be confirmed;

Therefore, His Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

Agreement between Hydro-Electric Power Commission, City, and Toronto Harbour Commission confirmed.

1. The agreement between The Hydro-Electric Power Commission of Ontario, the Corporation of the City of Toronto and the Toronto Harbour Commissioners set out as Schedule "1" hereto is confirmed and declared to be legal, valid and binding, and upon the execution and delivery to the Commission of separate deeds by the Corporation of the City of Toronto and by the Toronto Harbour Commissioners

conveying or releasing to the Commission all their respective interests in the lands described in Schedule "A" to the said agreement the said lands shall be vested in the Commission free from all claims, liens, charges and encumbrances save as in the said agreement otherwise provided.

2. By-law No. 10259 of the Corporation of the City of Toronto set out as Schedule "2" hereto and intituled "A by-law to close part of the Lake Shore road, Cliff road and Wilson avenue and to authorize the conveyance of same pursuant to agreement with The Hydro-Electric Power Commission of Ontario and the Toronto Harbour Commissioners," is confirmed and declared to be legal, valid and binding. By-law 10259 of City of Toronto, confirmed.

3. This Act shall come into force on the day upon which it receives the Royal Assent. Commencement of Act.

SCHEDULE "I"

Memorandum of agreement made in triplicate this 23rd day of October, A.D. 1924.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO, hereinafter called the "Commission,"

of the first part,

THE CORPORATION OF THE CITY OF TORONTO, hereinafter called the "City,"

of the second part,

—and—

THE TORONTO HARBOUR COMMISSIONERS hereinafter called the "Harbour Commissioners,"

of the third part.

Whereas the Commission and the City have entered into a contract for a supply of electric power to be furnished the City by the Commission;

And whereas in pursuance of the said agreement the City has agreed to provide a right-of-way along the waterfront for such transmission lines and towers as it may be found necessary to erect from the Humber River and across Exhibition Park to the station at the foot of Strachan Avenue to enable the Commission to deliver power as required by the said contract;

And whereas the Commission has heretofore erected a transmission line and towers for the said purpose along the said waterfront from Howard Avenue to Dunn Avenue;

And whereas the City has conveyed the land and water lots on which the said transmission line and towers heretofore erected by the Commission as aforesaid are located, together with certain other lands forming part of the said waterfront to the Harbour Commissioners of the City of Toronto;

And whereas the Harbour Commissioners have requested the Commission to remove the said transmission line and towers from that part of the said land so conveyed to them as aforesaid between the Humber River and a point on the water front near Dunn Avenue;

And whereas in order to meet the increasing demand for power in the City of Toronto, the Commission finds it necessary to erect an additional transmission line and towers between the said Humber River and the said station at the foot of Strachan Avenue;

And whereas the Commission has applied to the City for closing of that portion of the Lake Shore Road not heretofore closed from the east side of the Humber River to the easterly limit of the said road, and has requested the City and the Harbour Commissioners to convey to the Commission all lands, including the said Lake Shore Road and that part of Cliff Road lying west of Dowling Avenue now owned by either the City or the Harbour Commissioners lying between the southerly limit of the Canadian National Railway lands and the northerly limit of registered plans D-1409 and D-1411 and the said northerly limit produced as shown on attached plan and between the said Humber River and Dowling Avenue.

Now therefore this agreement witnesseth as follows:—

(*a*) The City agrees to pass a By-law to close that part of the Lake Shore Road as defined by Ontario Statute 52 Vic., Chap. 77, Section 1, which is now unclosed and lying between the easterly side of the Humber River and the easterly limit of the said road as at present existing, excepting thereout the southerly production of Jane Street, Windermere Avenue, Ellis Avenue, Howard Avenue and Parkside Drive, and also to pass a By-law closing that part of Cliff Road lying west of Dowling Avenue, and that part of Wilson Avenue lying south of the Canadian National Railway's right-of-way as occupied.

(*b*) The City agrees to convey to the Commission all its interest in the lands lying between the east side of the Humber River and Dowling Avenue and south of the Canadian National Railway's right-of-way, as shown coloured pink on the plan annexed hereto and described in Schedule "A" annexed hereto, including portions of the highways to be closed, but reserving to the City the right to maintain in their present position sewers or other City services heretofore constructed across the lands to be conveyed, including the right to enter upon said lands as may be necessary to reconstruct or repair said sewers or services without unduly interfering with any use of said lands by the Commission, and reserving also the right to maintain the Sunnyside bridge across said lands subject as hereinafter provided, and upon obtaining all necessary consents and releases the Harbour Commissioners agree to convey to the Commission all their interests in said lands, and the City concurs in and approves of a conveyance by the Harbour Commissioners to the Commission of all its interest in the said lands.

(*c*) The Commission agrees to pay all claims for damages or compensation arising from the closing of the said portion of the said Lake Shore Road, and for removal of all property and appliances of any Company or Corporation necessary to be removed and the extinguishment of all rights, privileges and easements owned, enjoyed or exercised in connection therewith so as to give the Commission full use of and free access to the said lands.

(*d*) The Hydro Commission agrees with the Harbour Commissioners:—

(1) To remove the said transmission line and towers from their present location on the lands of the Harbour Commissioners to the lands to be conveyed to the Hydro Commission by the Harbour Commissioners and the City at the earliest time reasonably possible, which combined lands are hereinafter referred to as the right-of-way.

(2) To pay to the Harbour Commissioners as the consideration for the conveyance to the Hydro Commission of that part of the said lands owned by the Harbour Commissioners referred to in paragraph (*b*) the sum of One hundred thousand dollars, such amount to be paid on delivery of the Harbour Commissioners' conveyance of said lands.

(*e*) The Harbour Commissioners agree to pay to the Hydro Commission the sum of Fifty thousand dollars in full settlement of the cost of removing the said transmission line and towers from their present location and reconstructing same on the right-of-way to be provided therefor as aforesaid, said amount to be payable on completion of said work.

(*f*) It is agreed between the parties hereto that the total number of towers to be removed and replaced is twenty-one, and the Hydro Commission agrees to perform all the work in connection with the removing of the said transmission line and towers and to replace the grounds and property of the Harbour Commissioners in proper condition following such removal, except that the Commission shall not be bound to remove the existing concrete bases belonging to the said towers.

(*g*) Upon the Commission notifying the City that the Commission desires to exercise the exclusive ownership over (1) the travelled portion of the Lake Shore Road, between the east side of the Humber River and the west side of Jane Street, and/or (2) the present travelled road on the lands of the Harbour Commissioners westerly from the Sunnsyide bridge to a point at which the northerly line of the diversion of the new Lake Shore Road leaves the north Lake Shore Road at a point between the Sunnyside bridge and Parkside Drive, the City will proceed to move the said Humber bridge to a new location to the south of its present site and/or to extend the Sunnyside bridge and ramp in a southerly direction to connect with the Lake Shore Road laid out on plan D-1411, or both, as the case may be, approximately as shown on the plan annexed, and

thereupon the Commission shall pay the cost of so removing the bridge over the Humber River and/or of extending the said Sunnyside bridge and ramp as aforesaid, and the Commission will procure to be conveyed to the City so much of the Harbour Commissioners' land as the City may require to carry out the said extension of the Sunnyside bridge and ramp.

And until the completion of the removal of the said bridge over the Humber River, and/or of the extension of the Sunnyside bridge and ramp as aforesaid and of the roadways and approaches thereto, the said City and the Harbour Commissioners shall have the right to use the present travelled portion of the Lake Shore Road, between the east side of the Humber River and the west side of Jane Street, and/or the present travelled portion westerly from the Sunnyside bridge as aforesaid, one or both, as the case may be.

(*h*) The Commission agrees to give up as and from the date of the removal of the transmission line and towers all their right, if any such they have, either by agreement with the Harbour Commissioners or with the City, or by reason of occupation or otherwise, to the use of that part of the Harbour Commissioners' property on which the existing transmission line and towers are located and any right to cross the same therewith.

This paragraph is not meant to apply to the new right-of-way to be provided for the said lines as aforesaid.

(*i*) And upon the condition that the Harbour Commissioners shall insert in their conveyance a provision that they are to have the right to use or permit the use for automobile parking purposes of all that portion of the lands constituting the said right-of-way which lies east of the Sunnyside bridge, and which is not actually occupied by the transmission towers, until such time as the said lands are wholly required for the purposes of the Commission.

(*j*) And a like reservation of the right to extend the present footbridge crossing the Canadian National tracks at or about the foot of Wilson Avenue, and which at present provides access from King Street to the Parkdale Canoe Club, so as to carry the same across the right-of-way hereinbefore referred to, but so that such extension be made in such a way as shall not interfere with the use of the said right-of-way for the purposes of the Commission.

(*k*) And it is further agreed between the parties hereto that the new transmission lines and towers are to be located as nearly as possible in the centre of the said right-of-way.

(*l*) Each of the parties hereto agrees to take such proceedings as may be required to procure the legislation necessary to validate this agreement at the next session of the Legislature of the Province of Ontario.

(*m*) It is hereby agreed that the changes to be made at Sunnyside in connection with the bridge and ramp and at the Humber in connection with the bridge and roadway and approaches thereto, upon the Hydro Commission notifying the City that the Commission desires to exercise exclusive ownership over the present travelled portion of the Lake Shore Road between the east side of the Humber River and the west side of Jane Street, and/or the present travelled road on the lands of the Harbour Commissioners westerly from the Sunnyside bridge to a point at which the northerly line of the diversion of the new Lake Shore Road leaves the north Lake Shore Road at a point between the Sunnyside bridge and Parkside Drive, as the case may be, shall not in either case be done as a local improvement, or so as that the cost of such changes and improvements will fall upon the Harbour Commissioners or their lands.

In witness whereof the parties hereto have hereunto affixed their Corporate Seals by the hands of their proper officers.

SIGNED, SEALED AND DELIVERED in the presence of

[SEAL]

[CITY OF TORONTO SEAL]

[SEAL]

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
A. BECK, *Chairman.*
W. W. POPE, *Secretary.*

CITY OF TORONTO,
W. W. HILTZ, *Mayor.*
GEO. H. ROSS, *Treasurer.*

TORONTO HARBOUR COMMISSIONERS,
T. L. CHURCH, *Chairman.*
J. B. JARDINE, *Secretary.*

SCHEDULE "A."

DESCRIPTION OF LANDS TO BE CONVEYED JOINTLY BY THE CITY OF TORONTO AND THE TORONTO HARBOUR COMMISSIONERS TO THE HYDRO-ELECTRIC POWER COMMISSION OF THE PROVINCE OF ONTARIO.

All and singular those certain parcel or tracts of lands and premises situate, lying and being in the City of Toronto, in the County of York, and Province of Ontario and being composed of parts of Township Lots Nos. 33, 34, 35, 36, 37, 38, 39 and 40 in the broken front concession of the Township of York; parts of the water lots lying in front of the said Township Lots; Part of the Lake Shore Road as established by Ontario Statute 52 Victoria, Chapter 77, Section 1; Parts of Lots E and F, according to a plan filed in the Registry Office for the City of Toronto as D. 1411; Parts of Wilson Avenue, Victoria Crescent Avenue (now called Cliff Road) and Lots 1 to 25 inclusive, according to a plan filed in the Registry Office for the County of York as No. 782; Part of Lot No. 70 according to a plan filed in the Registry Office for the County of York as No. 333. All the said lands now being filed in the Registry Office for the City of Toronto and which are shown coloured pink on the plan attached hereto and which said parcels may be more particularly described as follows:—

Bearings herein being astronomic and referred to the Meridian at Yonge Street and the New Windmill Line.

PARCEL NO. 1.

Commencing at the intersection of the southerly limit of the lands of the Canadian National Railways, as occupied, with the northerly production of the westerly limit of Jane Street, according to a plan filed in the Registry Office for the City of Toronto as No. D-1409; thence westerly, along the said southerly limit to the easterly limit of the Humber River; thence southeasterly along that limit to the westerly production of the northerly limit of Block "A," according to said Plan D-1409; thence N. 57°-22′ E. to and along that limit 443.2 feet to the westerly limit of Jane Street aforesaid; thence N. 33°-06′ W. along last mentioned limit to the place of beginning.

PARCEL NO. 2.

Commencing at the most westerly angle of Lot No. 1, according to a plan filed in the Registry Office for the City of Toronto, as No. D-1409; said angle being in the easterly limit of Jane Street, as laid out by said plan; thence N. 33°-06′ W. along the said limit of Jane Street and its production northerly to the southerly limit of the lands of the Canadian National Railways, as occupied; thence easterly, along that limit to the intersection of the northerly production of the easterly limit of Lot No. 3, according to said plan; said easterly limit being in the westerly limit of Windermere Avenue; thence S. 31°-06′-30″ E., along the said production to the northeasterly angle of the said Lot No. 3; thence S. 57°-22′ W., along the northerly limits of Lots Nos. 3, 2 and 1, according to the said Plan, 973.47 feet to the place of beginning.

PARCEL NO. 3.

Commencing at the northeasterly angle of Lot No. 6, according to a plan filed in the Registry Office for the City of Toronto as No. D-1409; said angle being in the westerly limit of Ellis Avenue as laid out by the said plan; thence N. 28°-54′ W., along the said westerly limit and its production northerly to the southerly limit of the lands of the Canadian National Railways, as occupied; thence westerly along that limit to the northerly production of the westerly limit of Lot No. 4 according to the said plan; the said westerly limit being in the easterly limit of Windermere Avenue; thence S. 31°-06′-30″ E., along the said production to the north-westerly angle of Lot No. 4, aforesaid; thence N. 57°-22′ E., along the northerly limit of Lot No. 4 a distance of 142.8 feet to the commencement of a curve to the right, having a radius of 11,459.2 feet; thence easterly along the said curve 668.21 feet to the north-easterly angle of Lot No. 6, the place of beginning.

PARCEL NO. 4.

Commencing at the north-easterly angle of Lot No. 12, according to a plan filed in the Registry Office for the City of Toronto as No. D-1409; said angle being in the westerly limit of Howard Avenue as laid out by the said plan; thence N. 10°-38′-45″ W. along the said westerly limit and its production northerly to the southerly limit of the lands of the Canadian National Railways, as occupied; thence westerly, along that limit to the northerly production of the westerly limit of Lot No. 7 according to the said plan; the said limit being in the easterly limit of Ellis Avenue; thence S. 28°-54′ E., along the said production to the north-westerly angle of Lot No. 7, aforesaid; thence easterly on a curve to the right, having a radius of 6,013.45 feet, being along the

northerly limits of Lots Nos. 7 and 8, according to the said plan, 511.95 feet to the end of said curve; thence on a curve to the right, having a radius of 4,583.75 feet, being still along the northerly limit of Lot No. 8 and Lot No. 9, according to the said plan to an angle formed in the said northerly limit of said Lot No. 9, by the intersection of the aforesaid curve, having a radius of 4,583.75 feet with the southerly limit of the Lake Shore Road and continuing along the said curve, in all, a distance of 270.14 feet, to the end of the said curve; thence on a curve to the right, having a radius of 5,726.76 feet, to an angle formed in the northerly limit of Lot No. 11, according to the said plan, by the intersection of the said curve with the southerly limit of the Lake Shore Road, aforesaid, and continuing along the said curve, being along the northerly limits of Lots Nos. 11 and 12, in all a distance of 1,005.05 feet to the north-easterly angle of Lot No. 12, the place of beginning.

Parcel No. 5.

Commencing at the north-easterly angle of Lot No. 17 according to a plan filed in the Registry Office for the City of Toronto as No. D-1409; said angle being in the westerly limit of Keele Street (now Parkside Drive) as widened by the said plan; thence N. 15°-00′-15″ W., along the said westerly limit and its production northerly to the southerly limit of the lands of the Canadian National Railways, as occupied; thence westerly, along that limit to the northerly production of the westerly limit of Lot No. 13, according to the said plan, said westerly limit being in the easterly limit of Howard Avenue as laid out by said Plan; thence S. 10°-38′-45″ E. along said production to the north-westerly angle of said Lot No. 13; thence on a curve to the right, having a radius of 5,726.76 feet, being along the northerly limits of Lots Nos. 13 and 14, according to said plan, 609.89 feet to the end of said curve and the north-easterly angle of Lot No. 14; thence on a curve to the right, having a radius of 7,639.49 feet, being along the northerly limits of Lots Nos. 15, 16 and 17, according to the said plan, 768.4 feet to the north-easterly angle of Lot No. 17, the place of beginning.

Parcel No. 6.

Commencing at the north-westerly angle of Lot A, according to a plan filed in the Registry Office for the City of Toronto, as No. D-1411, said angle being in the easterly limit of Keele Street (now Parkside Drive) as widened by the said plan; thence easterly on a curve to the right having a radius of 2,625.95 feet, being along the northerly limit of Lot A, 160.42 feet to the end of said curve; thence easterly, on a curve to the right having a radius of 7,326.5 feet, being still along the northerly limit of Lot A, 719.29 feet to the end of said curve; thence easterly on a curve to the right having a radius of 5,510.73 feet, being along the northerly limit of Lot A and along the northerly limit of the Lake Shore Road as laid out by said plan 445.26 feet to the end of said curve; thence easterly, on a curve to the right, having a radius of 21,470.6 feet, being still along the northerly limit of the Lake Shore Road according to said plan 365 feet to the end of said curve; thence easterly on a curve to the right,having a radius of 5,017.87 feet,being along the northerly limit of Lot E. according to said plan, 440.89 feet to a point of compound curve; thence easterly, on said compound curve to the right, having a radius of 2,499 feet, a distance of 374.3 feet to the end of said compound curve; thence S.58°-48′-30″ E. along a line tangent to the said compound curve to the south-westerly angle of the lands conveyed to the Hydro-Electric Power Commission of Ontario by Instrument No. 9361 W.F.; thence still along the said tangent, being along the southerly limit of the said lands to the westerly limit of Dowling Avenue; thence northerly along said westerly limit to the southerly limit of the lands of the Canadian National Railways, as occupied; thence westerly along that limit to where it is intersected by the northerly limit of the water lot in front of Township Lot No. 35, the said point of intersection being distant about 40 feet measured westerly along the said northerly limit from the south-easterly angle of said Lot No. 35; thence westerly along said northerly limit about 70 feet to a point where it is again intersected by the southerly limit of the lands of the Canadian National Railways, as occupied; thence westerly along the last-mentioned limit to the northerly production of the westerly limit of Lot A aforesaid, the said westerly limit and its production northerly being in the easterly limit of Keele Street (now Parkside Drive) as widened by the said plan No. D. 1411; thence south 15°-00′-15″ E. along the said production to the place of beginning.

Excepting therefrom that part of the said lands heretofore conveyed to the Hydro-Electric Power Commission of Ontario by Instrument No. 9361-W.F. registered in the Registry Office for the City of Toronto.

SCHEDULE "2."

No. 10259. A By-Law.

To close parts of the Lake Shore Road, Cliff Road and Wilson Avenue, and to authorize the conveyance of same pursuant to agreement with the Hydro-Electric Power Commission of Ontario and the Toronto Harbour Commissioners.

[Passed January 26th, 1925.]

Whereas by an agreement dated the 23rd day of October, 1924, and made between the Hydro-Electric Power Commission of Ontario, of the first part, The Corporation of the City of Toronto, of the second part, and The Toronto Harbour Commissioners, of the third part, it was among other things agreed that the Corporation of the City of Toronto would pass a by-law to close that part of the Lake Shore Road as defined by Ontario Statute 52 Vic., Chap. 77, Section 1, which is now unclosed and lying between the easterly side of the Humber River and the easterly limit of the road as at present existing, excepting thereout the southerly production of Jane Street, Windermere Avenue, Ellis Avenue, Howard Avenue and Parkside Drive, and also a by-law closing that part of Cliff Road lying west of Dowling Avenue and that part of Wilson Avenue lying south of the Canadian National Railway's right-of-way as occupied, and would convey to the Hydro-Electric Power Commission of Ontario, subject as in said agreement set forth, all its interest in certain lands therein described, including portions of the said highways to be closed.

Therefore the Council of the Corporation of the City of Toronto enacts as follows:—

1

The following portions of highways described by Tracy D. leMay, Esquire, City Surveyor, being

(1) All and singular that certain parcel or tract of land and premises situate, lying and being in the City of Toronto, in the County of York and Province of Ontario, being composed of that part of the Lake Shore Road as established by Ontario Statute, 52 Victoria, Chapter 77, Section 1, lying to the east of the Humber River and south of the northerly limit of the right-of-way of the Canadian National Railways, excepting thereout and therefrom the production northerly of Jane Street, Windermere Avenue, Ellis Avenue, Howard Avenue and Parkside Drive as shown on Registered Plans Nos. D-1409 and D-1411.

(2) All and singular that certain parcel or tract of land and premises situate, lying and being in the City of Toronto, in the County of York and Province of Ontario, being composed of that part of Victoria Crescent Avenue (now Cliff Road) according to a plan filed in the Registry Office for the County of York as No. 782 and now on file in the Registry Office for the said City extending westerly from Dowling Avenue and lying south of the right-of-way of the Canadian National Railways.

(3) All and singular that certain parcel or tract of land and premises situate, lying and being in the City of Toronto, in the County of York and Province of Ontario, being composed of that part of Wilson Avenue, according to a plan filed in the Registry Office for the County of York as No. 782, and now on file in the Registry Office for the said City, lying south of the southerly limit of the right-of-way of the Canadian National Railways;

are hereby stopped up and closed as public highways, and the conveyance of same as provided by the said agreement dated October 23rd, 1924, is hereby authorized to be made and the Mayor and Treasurer are hereby authorized to execute such conveyance, and the Treasurer is authorized to affix the City's seal thereto.

Thomas Foster,
Mayor.

W. A. Littlejohn,
City Clerk.

Council Chamber,
Toronto, January 26th, 1925.
(L.S.)

Chapter 57, 1925.

An Act to amend The Hydro-Electric Railway Act, 1914

Assented to 14th April, 1925.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:—

1. This Act may be cited as *The Hydro-Electric Railway Act, 1925.* Short title.

2.—(1) Notwithstanding anything in *The Municipal Electric Railway Act, 1922*, or in any other Act contained, *The Hydro-Electric Railway Act, 1914*, and amendments thereto in so far as they are applicable, shall be deemed to have remained and shall remain in full force and effect as enacted and in force on the 1st day of June, 1922, with respect to the following railways,— Hydro-Electric Railway Acts in force with respect to,—

(*a*) The Sandwich, Windsor and Amherstburg Railway and the Windsor and Tecumseh Electric Railway acquired and operated by The Hydro-Electric Power Commission of Ontario for certain municipal corporations under the contracts confirmed by sections 8 and 9 of *The Hydro-Electric Railway Act, 1920;* Sandwich, Windsor and Amherstburg Ry., Windsor and Tecumseh Ry.,

(*b*) The Guelph Radial Railway acquired and operated by the Commission under the agreement confirmed by *The Guelph Railway Act, 1921;* Guelph Radial Ry.

(*c*) The railways acquired and operated by the Commission under *The Toronto Radial Railway Act, 1921*, and the agreements therein authorized and entered into pursuant thereto, which railways are therein referred to as "The Metropolitan Division," "The Mimico Division" and "The Scarboro Division." Metropolitan, Mimico and Scarboro Divisions.

(2) Subsection 3 of section 29 of *The Municipal Electric Railway Act, 1922*, is repealed and the provisions of subsection 1 of this section substituted therefor. 1922, c. 69, s. 29, subs. 3, repealed.

3.—(1) When under any agreement mentioned in section 2 the Commission has agreed or is authorized to issue bonds for the purpose or purposes mentioned in any such agreement, the Commission may create such bond issue and issue such bonds in accordance with such agreement and may, upon such terms as it deems proper sell, hypothecate, pledge or otherwise dispose of such bonds, and every bond issue heretofore created and all bonds heretofore issued under or purporting to be issued under such agreement are declared to be legal, valid and binding and shall not be open to question upon any ground whatsoever. Commission may issue bonds. Bonds validated.

Bonds constitute mortgage charge on Railway.

(2) All bonds heretofore or hereafter issued by the Commission for the purpose or purposes mentioned in any agreement referred to in subsection 1 shall be charged upon and secured by the railway mentioned in such agreement and every extension thereof and all the assets, rights, privileges, revenue, works, property and effects belonging thereto or held or used in connection therewith as a first mortgage.

Commission may issue further bonds.

(3) The Commission may, from time to time, upon the consent of the corporation, or if more than one, the majority of the corporations parties to the agreement with the Commission, increase such bond issue by the issue of further bonds, bearing such date, carrying such rate of interest, payable at such place or places, and in such moneys and upon such terms and conditions, and maturing within such period not exceeding fifty years from the date thereof as the Commission may determine and for such amount as the Commission may deem necessary to cover the capital cost of extensions or improvements or additional works or equipment of any kind required for such railway and such further bonds shall rank *pari passu* with all bonds heretofore and hereafter issued in respect of such railway, and shall be a charge upon such railway and every extension thereof ranking equally with the charge existing by virtue of any bonds outstanding in respect of such railway. The debentures of any municipality to be issued and deposited with the Commission in respect of any increase of bond issue, shall be for the same amount as such increase, shall bear the same date and rate of interest as such further bonds of the Commission, and shall mature in fifty years from the date of such debentures: Provided that in respect of any railway mentioned in *The Toronto Radial Railway Act, 1921*, the consent of the Corporation of the City of Toronto shall always be necessary for such increase of bond issue, except in the case of an increase of bond issue mentioned in subsection 4 of this section.

Consent of municipality concerned.

(4) Whenever the further bonds constituting any such increase are issued by the Commission in respect to extensions of the railway referred to in such agreement or for additional works or equipment therefor within the limits of one municipality, the consent of any other municipal corporation shall not be necessary for the issue of such further bonds by the Commission and the corporation of the municipality in which such extension or additional works or equipment are to be undertaken shall deposit with the Commission additional debentures equal in principal amount to the said further bonds issued by the Commission.

Application of revenue to sinking fund for retirement of bonds.

(5) For the purpose of providing for the payment of bonds issued by the Commission in respect of any such railway, the Commission shall, in each year after the expiration of ten years from the date of such bonds respectively, out of the revenue of the railway, after payment of operating expenses, including the supply of electrical power or energy and the cost of administration, and annual charges for interest, set aside annually such sums as may be necessary to provide a sinking

fund, on a basis of not more than forty years for the payment of all the said bonds respectively, which shall be held for and applied toward the payment of such bonds respectively, or any renewal or refunding thereof at maturity and the Commission shall have power from time to time to issue bonds under the provisions of this Act for the purpose of providing such additional moneys as may be necessary with the accumulated sinking fund on hand to repay the bonds previously issued when the same respectively mature.

Disposal of property not required.

(6) With the approval of the Lieutenant-Governor in Council, the Commission may, upon such terms as it deems proper, lease, sell or otherwise dispose of, free from any lien, charge or encumbrance, any property which is not required for the purpose of any such railway or any section or extension thereof, and the Commission shall use or dispose of the whole or part of the proceeds thereof in expenditures on capital account or shall invest the whole or part thereof in securities of or guaranteed by the Province of Ontario for the retirement of the said bonds at maturity and such proceeds shall be credited to the particular railway for the purposes of which the property was originally acquired.

Application of 1914, c. 31, ss. 7 and 8.

(7) Sections 7 and 8 of *The Hydro-Electric Railway Act, 1914*, and amendments thereto shall apply to all bonds issued by the Commission under the authority of any Act or agreement mentioned in section 2 or under the authority of this section.

Section made retroactive.

(8) Subsections 3, 4, 5, 6 and 7 of this section shall have effect as from the 1st day of January, 1920, and shall have effect notwithstanding anything in any general or special Act contained.

Agreements amended.

4. Sections 2 and 3 shall *mutatis mutandis* apply to and in amendment of the agreements referred to in section 2 and the said agreements shall be read and construed accordingly.

By-laws validated.

5. By-law number 594 of the Township of Sandwich West, passed the 12th May, 1923; By-law 963 of the Town of Walkerville, passed 7th June, 1923; By-law 78 of the Town of Tecumseh, passed 25th April, 1923; By-law 407 of the Town of Ford City, passed 3rd April, 1923; By-law 3068 of the City of Windsor, passed 9th April, 1923; By-law 380B of the Town of Amherstburg, passed 14th May, 1923; By-law 120H of the Town of Riverside, passed 5th April, 1923; By-law 925 of the Township of Sandwich East, passed 19th April, 1923; By-law 90 of the Town of Ojibway, passed 2nd April, 1923; and By-law 1144 of the Town of Sandwich, passed 24th April, 1923; and all debentures issued or to be issued or purporting to be issued under any of the said by-laws are confirmed and declared to be legal, valid and binding upon such corporations and the ratepayers thereof respectively, and shall not be open to question upon any grounds whatsoever.

1921, c. 24, s. 2, cl. *b*, amended.

"Corporation" interpreted.

6. The clause lettered *b* in section 2 of *The Toronto Radial Railway Act, 1921*, is amended by adding thereto the following words "and when any other municipal corporation shall have been admitted as a party to the agreement as provided in section 7 hereof, 'corporation' shall include such municipal corporation, but subject to the provisions of subsections 3 and 4 of section 3 of *The Hydro-Electric Railway Act, 1925*, as to consent."

1921, c. 24, s. 7, subs. 1, amended.

7. Subsection 1 of section 7 of *The Toronto Radial Railway Act, 1921*, is amended by inserting after the words "*The Hydro-Electric Railway Act, 1914*" in the fourteenth and fifteenth lines the words "and amendments thereto."

Commencement of Act.

8. This Act shall come into force on the day upon which it receives the Royal Assent.

APPENDIX II

TRANSMISSION LINE RECORDS

Corrected to October 31, 1925

including

Summaries of data respecting mileage of transmission lines built or acquired by the Hydro-Electric Power Commission. The sizes, materials, lengths and weights of conductors, and other particulars of the 110,000-volt steel-tower transmission lines, the wood-pole transmission lines—excepting lines of 4,000 volts or less—and the telephone lines.

TRANSMISSION LINE RECORDS

The total mileage of lines built and acquired by the Commission up to October 31, 1925, for the various systems, excepting rural 4,000-volt districts, is indicated in the following table:

TOTAL MILEAGE OF TRANSMISSION LINES—ALL SYSTEMS

System	Miles
Niagara system—110,000-volt steel-supported transmission lines	541.36
Niagara system—110,000-volt wood-supported transmission lines	17.25
Thunder Bay system—110,000-volt steel-supported transmission lines	70.78
Thunder Bay system—110,000-volt wood-supported transmission lines	83.42
Niagara system—90,000-volt steel-supported transmission lines	77.66
Niagara system—60,000-volt steel-supported transmission lines	89.11
Niagara system—60,000-volt wood-supported transmission lines	8.54
Niagara system—46,000-volt and less, steel-supported transmission lines	21.84
Niagara system—46,000-volt and less, wood-supported transmission lines	1,103.04
Georgian Bay system—	
Severn division—(22,000-volt)	168.10
Eugenia division—(22,000-volt)	256.41
Wasdells division—(22,000-volt)	71.45
Muskoka division—(38,000-volt and less)	58.47
St. Lawrence system—(44,000-volt and less)	121.88
Rideau system—(26,400-volt)	76.65
Central Ontario and Trent system—(44,000-volt and less)	431.17
Nipissing system—(22,000-volt)	22.75
Total	3,219.88
Total wood-pole telephone lines for high-voltage systems	712.15

NOTE.—Of the above the Niagara system is operated at 25 cycles. The other systems are operated at 60 cycles.

TRANSMISSION LINE RECORDS

TOTAL MILEAGES AND WEIGHTS OF CONDUCTORS—ALL SYSTEMS

Type of construction	Wire miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1924	Completed Oct. 31, 1924, to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924, to Oct. 31, 1925	Under construction Oct. 31, 1925
110,000-volt steel-tower lines	3,206.59	30.99	124.80	8,838,697	124,904	180,774
110,000-volt wood-pole lines	166.84*	51.75	147.33	161,250	63,497	503,651
90,000-volt steel-tower lines	465.96	.....	.....	1,476,161	.....	.....
60,000-volt steel-tower lines	401.31	.....	.....	1,232,401	.....	.....
60,000-volt wood-pole lines	25.62	.....	.....	47,884	.....	.....
30,000-volt and less, high-voltage lines	351.90	.....	.....	6,368,927	.....	.....
High-voltage telephone lines	3,080.48	34.50	98.22	820,105	6,624	18,858
Wood-pole lines built and acquired by the Commission including telephone lines	13,728.99	80.75	110.07	10,517,768	79,522	138,309
Total	21,427.69	197.99	480.42	29,463,193	274,547	841,592

NOTE.—This table does not include rural power districts. *Thunder Bay system.

HIGH-VOLTAGE

TOTAL MILEAGE OF HIGH-VOLTAGE LINES

	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Total to Oct. 31, 1925
110,000-volt steel-supported transmission lines	538.59	2.77	541.36
110,000-volt wood-supported transmission lines	.....	17.25	17.25
90,000-volt steel-supported transmission lines	77.66	.....	77.66
60,000-volt steel-supported transmission lines	89.11	.....	89.11
60,000-volt wood-supported transmission lines	8.54	.....	8.54
30,000-volt and less, wood-supported transmission lines	22.61	.....	22.61
Total	736.51	20.02	756.33

Lines completed during 1925 or under construction on October 31, 1925.

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of conductor			Weight in pounds		
	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925
268,000 c.m., a.c. s-r	308.43	.....	.....	558,567	.....	.....
312,000 c.m., a.c. s-r	591.90	.....	.....	1,530,061	.....	.....
336,400 c.m., a.c. s-r	571.14	.....	.....	1,592,338	.....	.....
500,000 c.m., a.c. s-r	244.38	0.75	.....	1,002,447	376	.....
605,000 c.m., a.c. s-r	312.18	30.24	109.80	1,285,557	124,528	452,156
42,000 c.m., copper	9.33	.....	.....	6,307	.....	.....
115,000 c.m., copper	50.94	.....	.....	95,207	.....	.....
190,000 c.m., copper	850.29	.....	.....	2,693,717	.....	.....
167,800 c.m., copper	616.86	51.75	147.33	1,679,710	63,497	180,774
211,600 c.m., copper	306.72	.....	15.00	1,052,970	.....	51,495
115,000 c.m., alum	0.57	.....	.....	328	.....	.....
211,600 c.m., alum	34.20	.....	.....	35,910	.....	.....
500,000 c.m., alum	6.60	.....	.....	16,434	.....	.....
820,000 c.m., alum	36.06	.....	.....	108,180	.....	.....
300,000 c.m., l-c. a.c. copper	223.86	.....	.....	4,628,000	.....	.....
350,000 c.m., l-c. a.c. copper	73.92	.....	.....	1,647,037	.....	.....
500,000 c.m., l-c. a.c. copper	2.28	.....	.....	31,300	.....	.....
Totals	4,239.66	82.74	272.13	17,964,070	188,401	684,425

NOTE.—a.c. s-r.—aluminum conductors, steel-reinforced. Weight includes steel.
—l-c. a.c.—lead-covered armoured cable.

TRANSMISSION LINES

TOTAL NUMBER OF STEEL TOWERS AND WOOD POLES

	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Total to Oct. 31, 1925
110,000-volt steel towers	5,258	32	5,290
110,000-volt wood poles	.....	260	260
90,000-volt steel towers	982	.....	982
60,000-volt steel towers	1,222	.....	1,222
60,000-volt wood poles	242	.....	242
30,000-volt and less, wood poles	1,110	.....	1,110
Total	8,814	292	9,106

Completed 756.53 miles, under construction 69.91 miles. Total 826.44 miles.

WEIGHT OF POWER CONDUCTORS

Miles of single-circuit line			Miles of double-circuit line			Miles of four-circuit line and underground cable			Total miles one, two and four circuit lines
Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1925
38.31	.....	.....	32.25	.....	.....	.....	.....	.....	70.56
23.90	.....	.....	86.70	.....	.....	.....	.....	.....	110.60
.....	.....	.....	95.19	.....	.....	.....	.....	.....	95.19
.....	0.25	.....	40.73	.....	.....	.....	.....	.....	40.98
.....	.....	.....	51.91	.....	18.30	.....	2.52	.....	54.43
3.11	.....	.....	.....	.....	.....	.....	.....	.....	3.11
16.98	.....	.....	.....	.....	.....	.....	.....	.....	16.98
19.64	.....	.....	163.72	.....	.....	.....	.....	.....	183.36
.....	17.25	49.11	102.81	.....	.....	.....	.....	.....	120.06
.....	.....	.....	51.12	.....	2.50	.....	.....	.....	51.12
0.19	.....	.....	.....	.....	.....	.....	.....	.....	0.19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	1.10	.....	.....	.....	.....	.....	1.10
12.02	.....	.....	.....	.....	.....	.....	.....	.....	12.02
.....	.....	.....	.....	.....	.....	5.74	.....	.....	5.74
.....	.....	.....	.....	.....	.....	6.16	.....	.....	6.16
.....	.....	.....	.....	.....	.....	0.38	.....	.....	0.38
114.15	17.50	49.11	625.53	.....	20.80	12.28	2.52	.....	771.98

WOOD-POLE TELEPHONE LINES FOR HIGH-VOLTAGE

SIZE, MATERIAL, LENGTH AND

Size and material	Miles of wire			Weight in pounds			Miles of single-circuit lines		
	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925
No. 9 B. & S. G. copper	1,005.86	.....	.....	210,225	.....	.....	152.47	.....	.....
No. 10 B. & S. G. copper	1,034.50	.....	.....	171,727	.....	.....	408.93	.....	.....
No. 11 B. & S. G. copper	107.68	.....	.....	17,013	.....	.....	53.84	.....	.....
No. 12 B. & S. G. copper	32.18	.....	.....	3,347	.....	.....	16.09	.....	.....
No. 4 copper-clad steel	6.00	.....	.....	3,720	.....	.....	3.00	.....	.....
No. 8 copper-clad steel	10.96	.....	.....	2,685	.....	.....	.....	.....	.....
No. 14 copper clad-steel	3.84	.....	.....	234	.....	.....	1.92	.....	.....
No. 17 copper-clad steel	10.88	.....	.....	326	.....	.....	5.44	.....	.....
No. 19 paper insulated, lead-covered copper	819.20	.....	.....	112,082	.....	.....	.....	.....	.....
No. 22 paper insulated, lead-covered copper	34.00	.....	.....	296,208	.....	.....	.....	.....	.....
No. 12 B.W.G. galvanized iron	15.38	.....	.....	2,538	.....	.....	7.69	.....	.....
No. 6 aluminum steel core	.....	34.50	98.22	.....	6,624	18,858	.....	17.25	49.11
Total	3,080.48	34.50	98.22	820,105	6,624	18,858	649.38	17.25	49.11

NOTE.—B. & S. G.—Browne & Sharpe gauge. B.W.G.—Birmingham wire gauge.

HIGH-VOLTAGE TELEPHONE LINES—NIAGARA SYSTEM

TOTAL MILEAGE AND WEIGHT OF CONDUCTORS

Size and material—B. & S. gauge	Wire miles	Weight in pounds
No. 6 aluminum, steel core	34.50	6,624
No. 9 copper	1,005.86	210,225
No. 10 copper	1,034.50	171,727
No. 11 copper	107.68	17,013
No. 12 copper	32.18	3,347
No. 4 copper-clad steel	6.00	3,720
No. 8 copper-clad steel	10.96	2,685
No. 14 copper-clad steel	3.84	234
No. 17 copper-clad steel	10.88	326
No. 12 galvanized iron	15.38	2,538
No. 19 paper-insulated, lead-covered copper	819.20	112,082
No. 22 paper-insulated, lead-covered copper	34.00	296,208
Total	3,114.98	826,729

TRANSMISSION LINES—NIAGARA SYSTEM

WEIGHT OF CONDUCTORS

Miles of double-circuit lines			Miles of 4-circuit lines			Miles of paper-insulated lead-covered copper			Total 1-2-4 and miscellaneous circuits completed to October 31, 1925
Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed Oct. 31, 1924 to Oct. 31, 1925	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	
163.13	.....	.....	6.05	.....	.....	.....	.....	.....	321.65
54.16	.....	.....	.....	.....	.....	.....	.....	.....	463.09
.....	.....	.....	.....	.....	.....	.....	.....	.....	53.84
.....	.....	.....	.....	.....	.....	.....	.....	.....	16.09
.....	.....	.....	.....	.....	.....	.....	.....	.....	3.00
.....	.....	.....	1.37	.....	.....	.....	.....	.....	1.37
.....	.....	.....	.....	.....	.....	.....	.....	.....	1.92
.....	.....	.....	.....	.....	.....	.....	.....	.....	5.44
.....	.....	.....	.....	.....	.....	11.16	.....	.....	11.16
.....	.....	.....	.....	.....	.....	0.34	.....	.....	0.34
.....	.....	.....	.....	.....	.....	.....	.....	.....	7.69
.....	.....	.....	.....	.....	.....	.....	.....	.....	17.25
217.29	.....	.....	7.42	.....	.....	11.50	.....	.....	902.84

WOOD AND STEEL-POLE TRANSMISSION AND TELEPHONE LINES

(Excluding High-Voltage Lines)

TOTAL MILEAGE OF LINES AND NUMBER OF POLES

Lines	Miles completed		
	To Oct. 31, 1924	Oct. 31, 1924 to Oct. 31, 1925	Totals to Oct. 31, 1925
Low-tension lines completed	2,438.66	24.69	2,463.35
Low-tension lines under construction	.....	16.29	16.29
Single-circuit lines completed	1,833.81	24.69	1,858.50
Double-circuit lines completed	563.86	.....	563.86
Three-circuit lines completed	19.03	.....	19.03
Four-circuit lines completed	21.96	.....	21.96
Single-circuit telephone lines completed	2,232.69	0.90	2,233.59
Double-circuit telephone lines completed to date	57.00	1.22	58.22
Telephone lines under construction	.....	13.29	13.29
POLES AND TOWERS			
Number of poles erected	106,975	571	107,546
Number of towers erected	853	.....	853
Number of steel poles erected	73	.....	73
Number of poles under construction	.....	467	467

NOTE.—Includes Thunder Bay system steel and wood.

WOOD AND STEEL-POLE

(Excluding High-

GAUGE, LENGTH AND

Size and material of conductor	Wire miles of conductor			Weight in pounds			Miles of single-lines	
	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925
500,000 c.m. alum	115.68	.....	18.00	288,043	.....	44,820	.....	.....
345,000 c.m. alum	361.05	.....	.....	591,039	.....	.....	1.51	.....
300,000 c.m. alum	42.30	.....	.....	63,027	.....	.....	.....	.....
173,000 c.m. alum	36.99	.....	.....	32,033	.....	.....	1.51	.....
4/0 alum. (211,600 c.m.)	767.70	.....	.....	809,923	.....	.....	184.50	.....
3/0 alum. (167,800 c.m.)	2,000.13	.....	28.98	1,668,108	.....	24,170	237.86	.....
2/0 alum. (133,079 c.m.)	250.05	.....	.....	166,283	.....	.....	54.83	.....
1/0 alum. (105,534 c.m.)	707.64	2.55	.....	371,511	1,339	.....	160.26	0.85
2 alum. (66,373 c.m.)	512.22	.....	.....	169,033	.....	.....	138.68	.....
336,400 c.m. a.c. s-r	19.89	.....	.....	55,453	.....	.....	4.23	.....
125,000 c.m. a.c. s-r	233.34	.....	.....	214,673	.....	.....	77.78	.....
4/0 a.c. s-r (211,600 c.m.)	504.90	.....	22.26	785,624	.....	34,636	160.50	.....
3/0 a.c. s-r. (167,800 c.m.)	127.20	.....	.....	156,074	.....	.....	30.74	.....
2/0 a.c. s-r. (133,079 c.m.)	96.96	.....	.....	94,730	.....	.....	19.98	.....
1/0 a.c. s-r. (105,534 c.m.)	572.70	.....	.....	444,416	.....	.....	188.90	.....
2 a.c. s-r. (66,373 c.m.)	831.00	33.39	14.25	405,528	16,294	6,954	229.57	11.13
190,000 c.m. copper	129.24	17.49	.....	409,432	.....	.....	7.48	5.83
173,000 c.m. copper	3.75	.....	.....	10,552	.....	.....	1.25	.....
115,000 c.m. copper	71.70	.....	.....	134,007	.....	.....	15.00	.....
4/0 copper (211,600 c.m.)	426.48	16.98	.....	1,464,106	58,292	.....	71.18	5.66
2/0 copper (133,079 c.m.)	250.41	3.66	.....	541,136	2,229	.....	39.67	1.22
1/0 copper (105,534 c.m.)	218.64	.....	.....	373,874	.....	.....	51.08	.....
No. 1 copper (83,694 c.m.)	9.00	.....	.....	12,258	.....	.....	3.00	.....
No. 2 copper (66,373 c.m.)	78.66	.....	.....	84,874	.....	.....	20.16	.....
No. 3 copper (52,634 c.m.)	18.66	.....	.....	15,954	.....	.....	4.80	.....
No. 4 copper (41,742 c.m.)	78.36	.....	.....	52,971	.....	.....	.....	.....
No. 6 copper (26,250 c.m.)	98.34	.....	.....	41,794	.....	.....	31.78	.....
3 x 12 galv. steel (35,643 c.m.)	36.39	.....	.....	18,013	.....	.....	12.13	.....
1/4" galv. steel (48,223 c.m.)	38.19	.....	.....	25,205	.....	.....	12.73	.....
9/32" galv. steel (63,200 c.m.)	85.05	.....	.....	71,782	.....	.....	28.35	.....
7/16" galv. steel (153,200 c.m.)	31.50	.....	.....	69,394	.....	.....	.....	.....
5/16" galv. steel (83,200 c.m.)	416.64	.....	.....	461,637	.....	.....	131.76	.....
6 galv. iron (41,000 c.m.)	172.38	.....	.....	98,874	.....	.....	57.46	.....
Total	9,343.14	74.07	83.49	10,201,361	78,154	110,580	1,978.68	24.69

NOTE.—a.c. s-r—Aluminum cable, steel-reinforced. Thunder Bay system included.

TRANSMISSION LINES—Continued

Voltage Lines)

WEIGHT OF CONDUCTORS

circuit	Miles of double-circuit lines			Miles of three-circuit lines			Miles of four-circuit lines			
Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Total circuit miles of 1-, 2,- 3- and 4-circuit lines completed to October 31, 1925
.....	9.28	.....	3.00	.....	.....	.....	5.00	.....	.....	14.28
.....	59.42	.....	.....	.....	.....	.....	.....	.....	.....	60.93
.....	.....	.....	.....	4.70	.....	.....	.....	.....	.....	4.70
.....	5.41	.....	.....	.....	.....	.....	.....	.....	.....	6.92
.....	35.70	.....	.....	.....	.....	.....	.....	.....	.....	220.20
.....	201.35	.....	4.83	6.81	.....	.....	1.43	.....	.....	447.45
.....	14.26	.....	.....	.....	.....	.....	.....	.....	.....	69.09
.....	37.81	.....	.....	.....	.....	.....	.....	.....	.....	198.92
.....	16.03	.....	.....	.....	.....	.....	.....	.....	.....	154.71
.....	1.20	.....	.....	.....	.....	.....	.....	.....	.....	5.43
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77.78
.....	3.90	.....	3.71	.....	.....	.....	.....	.....	.....	164.40
.....	5.83	.....	.....	.....	.....	.....	.....	.....	.....	36.57
.....	6.17	.....	.....	.....	.....	.....	.....	.....	.....	26.15
.....	1.00	.....	.....	.....	.....	.....	.....	.....	.....	189.90
4.75	22.50	.....	.....	0.81	.....	.....	.....	.....	.....	264.01
.....	17.80	.....	.....	.....	.....	.....	.....	.....	.....	31.11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.25
.....	4.45	.....	.....	.....	.....	.....	.....	.....	.....	19.45
.....	4.43	.....	.....	.....	.....	.....	15.53	.....	.....	96.80
.....	21.90	.....	.....	.....	.....	.....	.....	.....	.....	62.79
.....	10.90	.....	.....	.....	.....	.....	.....	.....	.....	61.98
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.00
.....	3.03	.....	.....	.....	.....	.....	.....	.....	.....	23.19
.....	0.71	.....	.....	.....	.....	.....	.....	.....	.....	5.51
.....	13.06	.....	.....	.....	.....	.....	.....	.....	.....	13.06
.....	0.50	.....	.....	.....	.....	.....	.....	.....	.....	32.28
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.13
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.73
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28.35
.....	5.25	.....	.....	.....	.....	.....	.....	.....	.....	5.25
.....	3.56	.....	.....	.....	.....	.....	.....	.....	.....	135.32
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57.46
4.75	505.45	.....	11.54	12.32	.....	.....	21.96	.....	.....	2,543.10

This sheet is based on route and wire miles.

TELEPHONE

ERECTED ON WOOD-POLE LINES

GAUGE, LENGTH AND WEIGHT OF ALUMINUM,

Size and material of wire	Miles of wire				Weight in	
	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925
No. 8 B. & S. G. c-c. steel	181.92	1.70	.....	183.62	44,570	416
No. 10 B. & S. G. c-c. steel	1,002.64	0.10	9.66	1,002.74	154,406	16
No. 14 B. & S. G. c-c. steel	3.84	.....	.....	3.84	234	.....
No. 17 B. & S. G. c-c. steel	12.02	.....	.....	12.02	360	.....
No. 9 copper	45.68	.....	.....	45.68	9,547	.....
No. 10 copper	166.02	.....	9.50	166.02	27,559	.....
No. 6 galv. iron	21.24	.....	.....	21.24	12,170	.....
No. 8 B. W. G. galv. iron	5.90	.....	.....	5.90	2,230	.....
No. 9 B. W. G. galv. iron	2,093.18	.....	.....	2,093.18	638,420	.....
No. 10 B. W. G. galv. iron	80.22	.....	.....	80.22	20,055	.....
No. 12 B. W. G. galv. iron	87.88	.....	.....	87.88	14,500	.....
No. 6 a.c. s-r	614.80	4.88	.....	619.68	118,042	936
3 x 12 steel	166.12	.....	7.42	166.12	82,229	.....
3 x 13 steel	211.64	.....	.....	211.64	79,365	.....
¼-inch galv. steel	1.48	.....	.....	1.48	976	.....
Totals	4,694.58	6.68	26.58	4,701.26	1,204,663	1,368

NOTE.—For telephone lines generally on wood poles and serving 110,000-volt power lines, see separate table.

B. & S. G.—Browne & Sharpe gauge. B. W. G.—Birmingham wire gauge.

LINES

CARRYING POWER CONDUCTORS

COPPER-CLAD STEEL AND GALVANIZED IRON WIRE

pounds		Single-circuit mileage			Double-circuit mileage			1 and 2 circuits Totals
Under construction Oct. 31, 1925	Completed to Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1924	Completed Oct. 31, 1924 to Oct. 31, 1925	Under construction Oct. 31, 1925	Completed to Oct. 31, 1925
.....	44,986	90.96	0.85	.....	.....	.....	.....	91.81
1,488	154,422	498.94	0.05	4.83	1.19	.....	.....	500.18
.....	234	1.92	.....	.....	.....	.....	.....	1.92
.....	360	6.01	.....	.....	.....	.....	.....	6.01
.....	9,547	22.84	.....	.....	.....	.....	.....	22.84
1,577	27,559	83.01	.....	4.75	.....	.....	.....	83.01
.....	12,170	10.62	.....	3.71	.....	.....	.....	10.62
.....	2,230	2.85	.....	.....	.....	.....	.....	2.85
.....	638,420	1,046.59	.....	.....	.....	.....	.....	1,046.59
.....	20,055	40.11	.....	.....	.....	.....	.....	40.11
.....	14,500	43.94	.....	.....	.....	.....	.....	43.94
.....	118,978	195.28	.....	.....	55.81	1.22	.....	252.31
24,664	82,229	83.06	.....	.....	.....	.....	.....	83.06
.....	79,365	105.82	.....	.....	.....	.....	.....	105.82
.....	976	0.74	.....	.....	.....	.....	.....	0.74
27,729	1,206,031	2,232.69	0.90	13.29	57.00	1.22	.....	2,291.81

APPENDIX III

DISTRIBUTION LINES AND SYSTEMS

Summaries of Data respecting Rural Distribution Systems, Distribution Feeders, Metering Stations, and Municipal Distribution Systems constructed by the Hydro-Electric Power Commission

DISTRIBUTION LINES AND SYSTEMS

Below is shown in tabular form the work carried on under the supervision of the Distribution section of the Electrical Engineering and Laboratory department during the year ended October 31, 1925.

This work includes the construction of rural distribution systems, the installation of a number of 4,000-volt feeders to supply urban municipalities, and the construction of metering equipments.

Work in connection with the distribution systems was done by the Commission for certain municipalities, at the request and at the expense of the municipalities concerned.

RURAL DISTRIBUTION SYSTEMS CONSTRUCTED

Rural power district	Property number	At October 31, 1924		At October 31, 1925	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
NIAGARA SYSTEM					
Niagara	N1D1	20.84	57	25.60	120
Grantham	N1D2	3.40	75	32.00	335
Jordan	N1D3	16.57	71	12.50	66
Beamsville	N1D4	41.68	325	53.00	344
Welland	N1D5	20.20	1.205	54.00	1,187
Stamford	N1D6	7.26	161	7.50	199
Chippawa	N1D7	7.55	86	8.63	85
Dundas	N2D1	4.65	142	24.37	154
Lynden	N2D2	20.39	90	30.20	117
Waterdown	N2D3	1.89	37	6.81	56
Caledonia	N2D5	.....	.....	4.30	12
Barton	N2D7	3.85	35	6.25	44
Haldimand	N2D8	.....	.....	6.87	45
Markham	N3D1	7.75	129	7.75	136
Scarboro	N3D2	4.13	35	4.13	37
Bond Lake	N3D3	11.50	232	25.50	449
Newmarket	N3D4	.....	8	.....	10
Keswick	N3D5	9.90	327	11.52	420
Mount Joy	N3D6	.....	11	.....	12
Lansing	N3D7	14.90	233	5.45	48
Dorchester	N4D1	34.20	240	42.82	268
London	N4D2	49.52	720	74.17	893
Delaware	N4D3	21.48	152	21.58	159
Exeter	N4D6	12.25	135	12.25	138
Georgetown	N5D2	3.40	31	3.60	40
Guelph	N5D3	.....	.....	9.80	43
Preston	N6D1	31.96	254	46.60	303
Galt	N6D2	3.25	27	3.90	31
Baden	N7D1	7.12	37	18.00	39
St. Jacobs	N7D2	22.45	178	22.30	174
Tavistock	N8D1	4.30	51	4.40	52
Goderich	N8D2	.....	.....	2.10	27
Walton	N8D3	0.34	14	0.37	24
Stratford	N8D4	5.00	120	4.97	105
Norwich	N10D1	.....	.....	38.00	180
Woodstock	N10D2	57.63	263	58.88	263
Ingersoll	N10D3	0.12	1	0.12	1
Tillsonburg	N10D4	6.50	52	46.70	251

RURAL DISTRIBUTION SYSTEMS CONSTRUCTED—Continued

Rural power district	Property number	At October 31, 1924		At October 31, 1925	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
NIAGARA SYSTEM—Continued					
St. Thomas	N11D1	42.91	402	30.03	440
Aylmer	N11D2	9.20	34	14.10	70
Brant	N12D1	15.03	105	17.00	115
Waterford	N12D3	4.69	15	2.50	15
Drumbo	N12D5	7.50	84	7.50	86
Simcoe	N12D6	0.23	12	0.23	14
Streetsville	N13D1	1.41	5	1.41	6
Brampton	N13D2	1.13	4	1.34	4
Milton	N13D3	.....	.....	0.75	15
Chatham	N14D1	28.88	148	34.60	145
Ridgetown	N14D2	25.20	154	28.45	195
Blenheim	N14D3	9.83	54	5.75	45
Sarnia	N14D4	12.50	208	11.25	238
Petrolia	N14D5	1.53	11	1.66	12
Bothwell	N14D10	0.50	12	0.50	12
Wallaceburg	N14D13	32.10	244	32.10	226
Tilbury	N14D14	0.03	5	1.05	9
Sandwich	N15D1	29.31	671	50.75	978
Belle River	N15D2	12.50	144	18.75	143
Amherstburg	N15D3	4.66	100	8.00	117
Harrow	N15D4	0.40	4	0.40	4
Kingsville	N15D5	10.50	267	31.50	491
Leamington [a]	N15D6	15.50	193	.....	.....
Woodbridge	N16D1	2.75	50	13.37	193
Bolton	N16D2	1.15	3	1.15	3
Saltfleet	N17D1	63.88	715	60.00	651
GEORGIAN BAY SYSTEM					
Eugenia Division					
Flesherton	E1D1	1.76	18	1.56	15
Markdale	E1D2	.....	.....	1.00	2
Tara	E15D1	.....	.....	.....	2
Ripley	E24D2	.....	1	.....	2
Walkerton Quarries	E26D2	1.60	4	1.60	4
Wasdells Division					
Sparrow Lake	W1D1	.....	.....	4.70	54
Cannington No. 1	W3D1	3.15	18	3.15	19
Cannington No. 2	W3D2	3.75	18	4.15	18
Uxbridge	W7D1	.....	.....	1.00	4
Port Perry	W7D2	.....	14	.....	14
Mariposa	W9D1	18.50	109	19.00	112
Severn Division					
Barrie	S4D1	5.20	31	5.40	32
Nottawasaga	S5D1	7.25	69	7.25	74
Elmvale	S7D1	.....	19	.....	19
Stayner	S10D1	11.00	134	11.00	186

(*a*) Absorbed into Kingsville Rural Power District.

RURAL DISTRIBUTION SYSTEMS CONSTRUCTED—Concluded

Rural powder district	Property number	At October 31, 1924		At October 31, 1925	
		Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
ST. LAWRENCE SYSTEM					
Prescott	L2D1	13.55	71	13.90	71
Brockville	L3D1	8.66	30	6.80	34
Chesterville	L5D1	3.25	8	3.55	8
Williamsburg	L7D1	0.25	1	0.25	1
Martintown	L13D1	2.90	48	3.65	56
Apple Hill	L14D1	.....	1	.....	1
OTTAWA SYSTEM					
Nepean	T1D1	25.00	111	31.75	144
CENTRAL ONTARIO AND TRENT SYSTEM					
Colborne	C7D1	.....	.....	8.50	83
Campbellford	C11D1	.....	.....	11.00	31
Bowmanville	C23D1	0.50	4	0.50	4
Trenton	C37D1	0.55	1	0.55	1
Kingston	C44D1	12.92	73	15.00	77
Wellington	C45D1	.....	.....	0.08	1
Oshawa	C24D1	.....	.....	22.00	232

SUMMARY

System	At October 31, 1924		At October 31, 1925	
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line constructed	Number of consumers receiving service
Niagara system	789.30	9,178	1,111.08	11,094
Georgian Bay system	52.21	435	59.81	557
St. Lawrence system	28.61	159	27.95	171
Ottawa system	25.00	111	31.75	144
Central Ontario and Trent system	13.97	78	57.63	429
Total	909.09	9,961	1,288.22	12,395

DISTRIBUTION FEEDERS CONSTRUCTED

Line and property number	Voltage	Phase	Date work was commenced	Date work was made alive	Date work was completed	Mileage
NIAGARA SYSTEM						
St. Davids to Queenston.....N147x18	4,000	3	.....	Jan. 12, 1925	July 20, 1925	1.5
Decewsville to Cayuga.N246x15	4,000	3	Aug. 22, 1924	Oct. 27, 1924	Nov. 10, 1924	2.6
Broughdale to London township.....N451x22	4,000	3	Mar. 15, 1925	Apr. 1, 1925	Mar. 31, 1925	1.1
Aylmer to Springfield..N1138x10	4,000	3	April 21, 1925	June 3, 1925	June 3, 1925	5.5
Bisnets Junction to Erie Beach.....N1464x93	4,000	3	June 4, 1925	July 3, 1925	July 3, 1925	1.25
Sandwich to LaSalle..N1509x21	4,000	3	July 23, 1925	July 28, 1925	July 28, 1925	2.25
CENTRAL ONTARIO AND TRENT SYSTEM						
Norwood to Havelock *a*.C31x3102	4,000	3	May 25, 1925	July 5, 1925	July 5, 1925	7.0

a—A second circuit was erected on existing pole line.

The total mileage of distribution feeders—lines of 4,000 volts and less—built and acquired by the Commission up to October 31, 1925, for the various systems is shown in the following table.

TOTAL MILEAGE OF DISTRIBUTION FEEDERS

System	As at October 31, 1924	As at October 31, 1925
Niagara system	346.86	363.71
Georgian Bay system	117.92	117.92
St. Lawrence system	24.95	24.95
Rideau system	4.97	4.97
Central Ontario and Trent system	50.87	57.87
Nipissing system	2.50	2.50
Total	548.07	571.92

METERING STATIONS CONSTRUCTED

Station	Property number	Date work was completed	Measuring power for
NIAGARA SYSTEM			
Sun Brick Company	N359	Oct. 25, 1925	Sun Brick Company.
Hensall	N444	June 8, 1925	Municipality of Hensall.
Dashwood	N446	July 5, 1925	Municipality of Dashwood.
London township	N452	July 22, 1925	Voted area of Oxford Park.
Zurich	N453	July 5, 1925	Municipality of Zurich.
Springfield	N1040	June 14, 1925	Municipality of Springfield.
Streetsville Lumber Company	N1343	July 17, 1925	Streetsville Lumber Company.
Erie Beach	N1494	Aug. 14, 1925	Municipality of Erie Beach.

NIAGARA SYSTEM—Continued

Station	Pro-propery number	Date work was completed	Measuring power for
Bolton	N1635	Dec. 16, 1924	Municipality of Bolton.
Caledonia....R.P.D.	N2D35	Sept. 14, 1925	Caledonia rural power district.
Scarboro.....R.P.D.	N3D32	Apr. 7, 1925	Scarboro rural power district.
Lansing.....R.P.D.	N3D37	Oct. 1, 1925	Lansing rural power district.
Georgetown...R.P.D.	N5D32	Aug. 8, 1925	Georgetown rural power district.
Guelph.....R.P.D.	N5D33	Aug. 24, 1925	Guelph rural power district.
Milton.....R.P.D.	N13D33	Aug. 12, 1925	Milton rural power district.
Chatham.....R.P.D.	N14D31	Aug. 28, 1925	Chatham rural power district.

GEORGIAN BAY SYSTEM

Severn Division			
Stayner.....*a*..	S10D31	Sept. 24, 1925	Stayner rural power district.
Wasdells Division			
Sunderland	W333	Sept. 24, 1925	Municipality of Sunderland.
Uxbridge.....*c*..	W731	Sept. 27, 1925	Municipality of Uxbridge.

(*a*) Changed from single to three phase. (*c*) Changed from indicating to graphic meter.

CONSTRUCTION IN MUNICIPAL DISTRIBUTION SYSTEMS

Municipality	Date work was commenced	Date work was made alive	Date work was completed
NIAGARA SYSTEM			
Beachville.....*a*	Sept. 15, 1925	Oct. 17, 1925	.....
Springfield.....*a*	May 23, 1925	June 16, 1925	June 29, 1925
Aylmer.....*c*	Sept. 11, 1925	Oct. 24, 1925	Oct. 24, 1925
Amherstburg.....*c*	Oct. 14, 1925	.....	.....
Richmond Hill.....*d*	Feb. 4, 1925	Mar. 13, 1925	Mar. 13, 1925
Wellesley township (St. Clements).....*b*	Mar. 9, 1925	Mar. 12, 1925	Mar. 12, 1925
Caradoc township (Melbourne).....*b*	Jan. 22, 1925	Jan. 31, 1925	Jan. 31, 1925
London township.....*a*	May 7, 1925	June 30, 1925	Aug. 22, 1925
Niagara township (Virgil).....*b*	Nov. 1, 1924	Nov. 8, 1924	Dec. 31, 1924
Westminster township (Manor Park).....*b*	Mar. 19, 1925	Apr. 15, 1925	Apr. 15, 1925
East York township.....*c*	June 1, 1925	July 2, 1925	July 11, 1925
Louth township (Jordan).....*b*	May 18, 1925	May 30, 1925	June 1, 1925
CENTRAL ONTARIO AND TRENT SYSTEM			
Havelock.....*d*	June 1, 1925	July 5, 1925	July 5, 1925

(*a*) Reconstruction and change of voltage from 2,200 volts delta to 4,000 volts star.
(*b*) Street lights only. (*c*) Reconstruction. (*d*) Additional feeders.

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AUDITOR'S REPORT

1924-25

Prepared pursuant to the provisions of an Order-in-Council dated the 28th day of October, 1909

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ONTARIO

TORONTO
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1926

To His Honour Henry Cockshutt,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to Your Honour statements of the Auditor pursuant to the provisions of R.S.O., 1914, chap. 23, sec. 14, sub-sec. 2 of the Audit Act.

Respectfully submitted,

William H. Price,
Treasurer of Ontario.

Treasury Department, Ontario,
Toronto, February 18th, 1926.

AUDIT OFFICE,
TORONTO, FEBRUARY 18TH, 1926.

SIR,—I have the honour to submit for the information of the Legislative Assembly, pursuant to the provisions of an Order-in-Council, dated 28th October, 1909, as provided by R.S.O., 1914, chap. 23, sub-section 2 of section 32, and pursuant to the provisions of sub-section 2 of section 14, and sections 28 and 29 of the Audit Act:—

(A) Statement of Special Warrants issued.
(B) Statement of expenditures in excess of appropriations.

Respectfully submitted,

G. A. BROWN,
Provincial Auditor.

HON. WILLIAM H. PRICE,
Treasurer of Ontario.

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A

SPECIAL WARRANTS

A

SPECIAL WARRANTS

STATEMENT OF SPECIAL WARRANTS ISSUED DURING THE FISCAL YEAR ENDED OCTOBER 31ST, 1925.

Date of Warrant	SERVICE		Warrants	Expended 1924-25	Unexpended
	Prime Minister's Department				
	General Advertising—				
	Balance unexpended, 1923-24	$627 76			
April 20th, 1925	Warrant	4,000 00	$4,627 76	$4,254 50	$373 26
Dec. 4th, 1924	Grant to Canadian Red Cross Society towards paying expenses of outpost hospital work		10,000 00	10,000 00	
Jan. 23rd, 1925	A. H. Sydere, for services in connection with the preparation of the general index to journals, sessional papers, etc., of the House, 1921-24		1,500 00	1,500 00	
	Hydro-Electric Power Commission—				
Oct. 30th, 1925	Georgian Bay System, South Falls Development		54,000 00	54,000 00	
Oct. 30th, 1925	Developments—Hanna Chute, Port Severn, Hollow Lake and Storage System		35,000 00	35,000 00	
Oct. 30th, 1925	Provincial Account under Rules and Regulations Act, 1912		16,000 00	16,000 00	
Nov. 14th, 1925	Expenses of the entertainment in Toronto of visiting members of the Inter-Parliamentary Union		2,000 00	1,865 91	134 09
	Education Department				
May 15th, 1925	Grant to the Urban Trustees' Association		500 00	500 00	
May 21st, 1925	Ontario Educational Association, expenditure in connection with Teachers' trip to New Ontario		8,000 00	8,000 00	
Sept. 24th, 1925	Special grant to the Trustees' Section, Ontario Educational Association		2,500 00	2,500 00	

June 11th, 1925	Frontier College, to assist in promoting the educational work carried on by the College in the outlying portions of the Province		2,500 00	2,500 00	
Sept. 12th, 1925	English-French Training School, Embrun, establishment, including maintenance, services and expenses		50,000 00	12,160 40	37,839 60
Oct. 30th, 1925	Services and expenses in connection with an investigation and survey of those schools in the Province attended by pupils who speak the French language		10,000 00		10,000 00
	Public Works Department				
May 26th, 1925	Kemptville Agriculture School, purchase of lot with dwelling, Township of Oxford, County of Grenville		4,365 39	4,365 39	
Sept. 22nd, 1925	Reception Hospital, Surrey Place, Toronto, equipment and furnishings		30,000 00	11,258 76	18,741 24
July 24th, 1925	Repairs and alterations to Hostel for British Welcome League Immigration, 128 Pembroke Street, Toronto		2,600 00	2,576 81	23 19
	Health Department				
Jan. 9th, 1925	Salary of C. F. Gray, Technical Assistant in the Provincial Board of Health Laboratory at Queen's University, for the fiscal years 1923-24 and 1924-25		2,200 00	2,200 00	
	Labour Department				
Aug. 11th, 1925	Donation to Trades and Labour Congress of Canada		500 00	500 00	
July 17th, 1925	Unemployment relief, expenditures incurred by municipalities in order to relieve unemployment between February 1st and April 15th, 1925		110,000 00	103,489 32	6,510 68
	Provincial Treasurer's Department				
June 11th, 1925	Navy League of Canada, Ontario Division, grant		25,000 00	25,000 00	
April 30th, 1925	Canadian Red Cross Society, Ontario Division, grant to assist with official work in connection with outpost hospitals		15,000 00	5,000 00	10,000 00

SPECIAL WARRANTS.—Continued

Date of Warrant	SERVICE		Warrants	Expended 1924-25	Unexpended
May 18th, 1925	Canadian Deep Waterways and Power Association, grant		3,000 00	3,000 00	
Aug. 4th, 1925	Veterans' Reunion Council, grant to assist in the arrangements for Warriors' Day in connection with the Canadian National Exhibition		1,000 00	1,000 00	
Aug. 6th, 1925	Ontario Rifle Association, grant		1,000 00	1,000 00	
Aug. 19th, 1925	Luxury Tax Collection, salaries and expenses of Inspectors, printing and contingencies		40,000 00	32,254 94	7,745 06
Sept. 22nd, 1925	Women's Patriotic League, soldiers' comforts, grant in aid of emergency work in connection with ill and disabled soldiers		500 00	500 00	
	Provincial Secretary's Department				
	Boys' Training School, Bowmanville, purchase of land, construction, equipment, stock, furnishings, etc.— Balance unexpended, 1923-24		3,358 94	3,283 72	75 22
Jan. 14th, 1925	Industrial Farm, Burwash, lands in the Township of Servos expropriated to form part of the farm		4,017 60	4,017 60	
Jan. 16th, 1925	County Houses of Refuge		32,768 40	32,768 40	
Aug. 25th, 1925	Sick Children's Hospital, grant to assist in the erection of a Country Hospital		10,000 00	10,000 00	
Sept. 16th, 1925	Toronto Hospital for Incurables, grant		35,000 00	35,000 00	
	Agriculture Department				
Nov. 19th, 1924	Exhibit of Ontario cheese and butter at National Dairy Show in Great Britain		1,002 47	1,002 47	

	Lecturer in Horticulture, Salaries and Expenses—Balance unexpended, 1923-24		2,524 35	1,682 25	842 10
Feb. 5th, 1925	Salvation Army, for ten per cent. of moneys advanced for assisted passages to Domestic Servants brought to the Province of Ontario in lieu of any advances from the moneys of the Province of Ontario		1,400 00	1,363 09	36 91
Feb. 10th, 1925	Salaries and expenses of organizer in connection with organizing branch associations to the Ontario Vegetable Growers' Association re educational work and improvement of marketing		2,300 00	1,850 73	449 27
April 28th, 1925	Board and nursing of Wilfred Dupont re illness during short course at Kemptville Agricultural School		531 40	531 40	
Sept. 22nd, 1925	Travelling expenses of the judging team from the Ontario Agricultural College entered in the inter-college competition at the National Dairy Show at Milwaukee		300 00	252 15	47 85
	Total Special Warrants		$524,996 31	$432,177 84	$92,818 47

B

TREASURY BOARD MINUTES

B

TREASURY BOARD MINUTES

STATEMENT OF TREASURY BOARD MINUTES ISSUED FOR EXPENDITURES IN EXCESS OF APPROPRIATIONS DURING THE FISCAL YEAR ENDED OCTOBER 31ST, 1925

	Warrant	Expended
Prime Minister's Department		
Civil Government—		
Salaries	975 00	975 00
Contingencies	1,000 00	847 33
Civil Service Commissioner—		
Salaries	175 00	175 00
Legislation		
Salaries	100 00	90 00
Contingencies, etc	3,500 00	3,221 93
Law Clerk's Office, salaries	400 00	400 00
Attorney-General's Department		
Civil Government—		
Audit of Criminal Justice accounts, salaries	550 00	550 00
Ontario Railway and Muncipal Board, salaries	250 00	113 00
Public Trustee, salaries	500 00	39 00
Inspection of Division Courts, salaries	350 00	350 00
Administration of Justice—		
Supreme Court, Registrar's Office, contingencies	7,000 00	5,968 63
Land Titles Office, contingencies	50 00	33 64
Board of License Commissioners, contingencies	11,500 00	10,788 33
Advertising Tourist Attractions	40,000 00	32,696 20
Crown Counsel Prosecutions	5,000 00	4,163 16
General Administration of Justice in Counties	85,000 00	81,056 72
Registrars of Deeds in Districts, office supplies	350 00	230 68
District of Cochrane, administration of justice	9,000 00	8,851 90
" " Manitoulin, salaries of gaolers, etc	19 52	19 52
" " Nipissing, " "	200 00	187 50
" " Sudbury, " "	500 00	441 00
" " " fuel, light, etc	1,500 00	1,327 30
" " Thunder Bay, salaries, of gaolers, etc	313 78	313 87
" " " fuel, light, etc	3,500 00	2,660 87
Miscellaneous—		
Litigation of constitutional and other questions	20,000 00	17,989 00
Education Department		
Civil Government—		
Salaries	1,000 00	99 99
Public and Separate School Education—		
Rural Public and Separate Schools in Counties, general grants and contingencies	236,500 00	103,776 95
Rural Public and Separate Schools in Districts, general grants and contingencies	236,000 00	234,343 06
Public, Separate and Continuation Schools, cadet corps	1,000 00	550 00
Night Schools, grants and contingencies	400 00	307 53
Continuation Schools, grants and contingencies	13,000 00	12,582 55
Fifth Classes, grants and contingencies	6,000 00	3,396 04
General Inspection, salaries	1,800 00	1,733 24
Departmental Examinations—		
Examiners, services and expenses	6,500 00	4,386 86
Assistants	11,500 00	11,275 95
Preparation of Text Books, salaries	100 00	100 00
Plates, services and contingencies	4,500 00	4,460 36
Grants to Teachers re Model School Training	200 00	58 00
Temporary Teachers, Normal and Model School re illness or on leave	1,000 00	736 17
Special grants, Art Department and Teachers in Art, Public, Separate and Continuation Schools	300 00	286 00

TREASURY BOARD MINUTES—Continued

Education Department—Continued

	Warrant	Expended
Normal and Model Schools—		
Toronto, Reference Books, contingencies, etc	2,000 00	1,283 20
Ottawa, Kindergarten Supplies	50 00	11 59
London, Reference Books, contingencies, etc	700 00	556 30
North Bay, students' board and travelling expenses	1,500 00	995 04
High Schools and Collegiate Institutes—		
Grants	50,000 00	49,605 67
Night High Schools, grants	400 00	309 56
Salaries (Inspection)	400 00	400 00
Travelling expenses (Inspection)	300 00	45 49
Public Libraries, Historical Societies, etc., salaries	500 00	500 00

Lands and Forests Department

Civil Government—		
Contingencies	12,000 00	6,968 15
Miscellaneous—		
Fire Ranging	450,000 00	437,506 18
Reforestation	750 00	389 75
Insurance	3,000 00	2,026 03
Compensation for workmen	1,500 00	505 61
Colonization Roads—		
Compensation for Workmen	500 00	278 46

Mines Department

Miscellaneous—		
Inspector of Mining Recorder's Offices, salary	300 00	300 00
Natural Gas Commissioner's Office, salaries	300 00	300 00
Fuel Supply Act, 1918	500 00	297 04

Game and Fisheries Department

Civil Government—		
Salaries	175 00	175 00
Miscellaneous—		
Unforeseen and unprovided	600 00	560 83

Public Works Department

Maintenance and Repairs of Government Buildings—		
Government House—		
Salaries	200 00	200 00
Water, fuel, light and power	1,500 00	1,430 84
Parliament and Departmental Buildings—		
Electric power and light, current and gas	2,000 00	1,894 99
Repairs and cleaning of buildings, etc	20,000 00	6,297 58
Flowers, shrubs, plants, etc	300 00	180 82
Painting, outside and inside work	6,500 00	6,139 07
Osgoode Hall—		
Fuel, light, water and power	1,000 00	948 00
General repairs and alterations	3,000 00	1,910 57
Fittings for vaults and offices	2,000 00	1,465 76
Toronto Normal and Model Schools—		
Painting interior and exterior	700 00	542 04
Brantford School for the Blind—		
Painting interior	2,585 00	2,585 00
Ridgetown, Western Ontario Experimental Farm—		
Repairs and incidentals	100 00	66 10
Cochrane District—		
Office accommodation, etc	375 00	364 50
Nipissing District—		
Furniture and furnishings	100 00	11 65
Rainy River District—		
Town of Fort Frances, taxes	384 52	384 52
Sudbury District—		
Repairs and alterations	500 00	106 73
Repairs and painting gaol	1,000 00	714 90

TREASURY BOARD MINUTES—Continued

Public Works Department—Continued

	Warrant	Expended
Maintenance and Repairs of Government Buildings—Continued		
Thunder Bay District—		
Repairs and alterations	600 00	535 97
Miscellaneous—		
Insurance	15,000 00	14,645 61
Public Works, Bridges, etc.—		
Compensation to injured workmen	1,500 00	686 95
Public Buildings—		
Parliament Buildings, additional accommodation	335,000 00	325,254 91
Fort William, Industrial Farm construction of works, etc.	1,000 00	636 43
Ontario Agricultural College, alterations to dairy buildings	250 00	244 26
Cochrane District, Mining Recorder's Office, Swastika	2,500 00	2,229 44
Sudbury District, fittings and furnishings, court room	1,500 00	1,194 95
Temiskaming District, reconstruction, court house	200 00	131 82
Works on grounds	125 00	110 60
Furnishings and equipment	500 00	244 51
Refunds, miscellaneous	20 50	20 50

Public Highways Department

Civil Government—		
Contingencies	25,000 00	23,039 65
Motor Vehicles Branch, contingencies	20,000 00	15,769 64
Miscellaneous—		
Special Officers	200 00	200 00
Enforcement of Motor Vehicles Act	26,000 00	25,522 33
Automobile markers and supplies	4,000 00	1,316 40
Testing automobile headlights	100 00	70 00
Road surveys	1,000 00	716 79

Health Department

Civil Government—		
Board of Health, contingencies	10,000 00	3,452 45
Division of Industrial Hygiene, expenses, etc	3,000 00	1,416 41
Registrar General's Branch, contingencies	7,000 00	6,990 47

Labour Department

Civil Government—		
Boiler Inspection Branch, salaries	1,100 00	516 64
Contingencies	150 00	12 23
Factory Inspection Branch, salaries	3,100 00	933 33
Miscellaneous—		
Ontario Government Employment Bureau, contingencies	17,000 00	10,189 42

Provincial Treasurer's Department

Civil Government—		
Post Office, salaries	1,025 00	777 09
Miscellaneous—		
Amusement Tax Branch, contingencies	12,000 00	3,571 59
Motion Picture Bureau, purchase of film, etc	80,000 00	61,433 94
Contingencies, etc	9,000 00	8,376 06
Division of Fire Investigation, contingencies	4,000 00	1,497 60
Refunds—		
Succession Duty—		
Overpayment and deposits	15,000 00	4,968 66
Interest	4,000 00	1,453 25
Amusement Tax Act	4,000 00	1,680 37
Miscellaneous	2,942 87	2,942 87

TREASURY BOARD MINUTES—Continued

Provincial Secretary's Department

	Warrant	Expended
Civil Government—		
Public Institutions Branch, contingencies	40,000 00	30,768 38
Neglected Children's Branch, contingencies	4,500 00	2,775 77
Bureau of Municipal Affairs, salaries	325 00	325 00
Hospitals and Charities—		
General Hospitals	303,488 00	303,488 00
Refuges	50,713 60	50,713 60
Orphanages	21,449 35	21,449 35
Industrial Schools	5,296 50	5,296 50
Children's Aid Work, services and expenses	12,000 00	6,949 18
Maintenance of Patients in Municipal Sanatoria for Consumptives	26,466 50	26,466 50
Public Institutions—		
Hamilton Hospital, salaries	9,858 26	9,840 26
Expenses	25,000 00	24,663 10
Orillia Hospital, expenses	15,000 00	6,739 03
Penetang Hospital, expenses	8,000 00	4,489 24
Repairs to buildings, etc	4,000 00	3,378 97
Toronto Hospital, salaries	4,920 29	4,920 29
Whitby Hospital, salaries	9,755 27	9,740 27
Expenses	65,000 00	60,703 58
Repairs to Buildings, etc	15,000 00	14,945 35
Woodstock Hospital, expenses	2,000 00	399 83
Guelph Reformatory, salaries	3,000 00	2,877 89
Expenses	25,000 00	7,089 48
Industries, expenses	20,000 00	4,957 42
Mercer Reformatory, expenses	2,000 00	991 57
Burwash Industrial Farm, expenses	35,000 00	31,751 36
Repairs to buildings, etc	6,000 00	5,891 69
Miscellaneous—		
Medical and funeral expenses of officials	500 00	163 50
Typewriters and adding machines	900 00	770 39
Religious and social work	300 00	279 15
Printing and stationery for public institutions	5,000 00	3,464 85
Refunds, miscellaneous	4,527 99	4,527 99

Agriculture Department

Civil Government—		
Salaries	900 00	425 00
Statistics and Publications Branch, contingencies	150 00	140 79
Agricultural and Horticultural Societies Branch—		
Salaries	800 00	646 57
Contingencies	300 00	295 85
Live Stock Branch, salaries	1,100 00	60 64
Dairy Branch, salaries	100 00	100 00
Markets and Co-operation Branch, salaries	325 00	325 00
Colonization Branch, salaries	800 00	575 00
Miscellaneous—		
Agricultural and Horticultural Societies—		
Judges, services and expenses, fall fairs	3,100 00	1,110 31
To encourage plowing matches	750 00	741 27
Lecturer in horticulture	100 00	73 24
Live Stock Branch—		
Field man's salary	700 00	650 00
Field man's travelling expenses	400 00	192 70
To provide for maintenance and management of pure-bred stallion	325 00	318 54
Institutes—		
Grants, services and expenses	1,200 00	1,195 98
Lecturers in home nursing, etc	4,000 00	3,984 26
Dairy Branch—		
Instruction, inspection, etc., re dairy products	11,000 00	9,005 64
Eastern Dairy School	450 00	109 54
Chief Instructor, Eastern Ontario	150 00	150 00
Chief Instructor, Western Ontario	150 00	150 00
Dairy products for grading purposes	30,000 00	20,607 19

TREASURY BOARD MINUTES—Continued

Agriculture Department—Continued

Miscellaneous—Continued

	Warrant	Expended
Fruit Branch—		
Fruit work, growing, handling, etc.	3,300 00	3,260 53
Horticultural Experiment Station, salaries	950 00	925 00
Agricultural Representatives, expenses	11,000 00	10,553 68
Ontario Veterinary College, salaries	290 00	190 00
Western Ontario Experimental Farm, maintenance	380 00	215 98
Kemptville Agricultural School, salaries and expenses	3,400 00	3,285 56
Miscellaneous—		
Demonstration Farm, Northern Ontario, expenses	2,000 00	1,988 16
Removal expenses of officials	400 00	308 44
Agricultural Development Board, services and expenses	15,500 00	10,825 45
Investigations re agricultural conditions	1,400 00	1,285 42
Ontario Agricultural College—		
Field Experiments, salaries	2,150 00	2,042 71
Poultry Department, expenses	2,000 00	1,179 40
Horticultural Department, salaries	458 12	450 12
Apicultural Department, salaries	50 00	50 00
" " expenses	6,000 00	5,993 88
Colonization and Immigration—		
Work in Great Britain and Ireland	5,000 00	739 03
Refunds, miscellaneous	68,436 92	68,436 92
Total Treasury Board Minutes	2,791,581 99	2.406,027 50

REPORT FOR 1925

OF

The Workmen's Compensation Board

ONTARIO

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

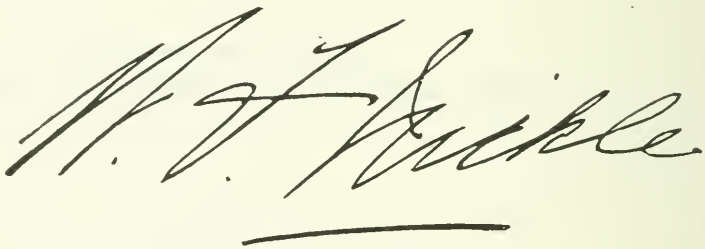
ONTARIO

TORONTO
Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty
1926

To His Honour Henry Cockshutt,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned begs respectfully to present to Your Honour the Annual Report of the Workmen's Compensation Board, for the year ending 31st December, 1925.



Attorney-General.

Toronto, March 29th, 1926.

THE WORKMEN'S COMPENSATION BOARD

V. A. SINCLAIR, K.C., Chairman
H. J. HALFORD, Vice-Chairman
GEO. A. KINGSTON, Commissioner
N. B. WORMITH, Secretary

Since the last report, the Board regrets the irreparable loss of its late Chairman, Samuel Price, K.C., whose resignation took effect on July 1, and this was followed by his death on November 7. The following editorial from the St. Thomas Times Journal of November 10, published where the late Chairman was best known, sets forth clearly and in a sympathetic way some particulars of his life and a resumé of his work.

"There have been men more in the public eye, but few rendered better service to their country than Mr. Samuel Price, whose death occurred on Saturday in London, Ontario. He will, of course, be remembered best as the first Chairman of the Ontario Workmen's Compensation Board, the man who put the Act, drafted by the late Sir William Meredith, into effect, and who administered it so well that it won almost instant approval of employees and employers, and was held up as a model by other provinces and countries. But excellent as was his work in this respect, it did not by any means constitute the whole of his public service. For a period of six years, at a time when Northern Ontario was blossoming out as a great mining country, Mr. Price was Mining Commissioner for Ontario. That is, he went into the north country and settled disputes over mining claims, and ascertained what the country and the people that populated it required in the way of legislation. The outcome was the bulk of the excellent mining legislation now on the statute books of the province, including the Mining Tax Act and the eight-hour law for miners. Another valuable service rendered by Mr. Price was the consolidation and revision of the Dominion Railway Act, at a time when the late Hon. James Mabee was chief commissioner of the Railway Commission.

Mr. Price was successful at these tasks because his policy at all times was thoroughness and absolute honesty. Nothing was half done by Mr. Price. He was a master of detail and an exponent of facts, and whether working on a minor legal case or on something that affected the whole country, he had everything in black and white. There were no 'loopholes' in the laws he framed, and few 'comebacks' from the cases he disposed of.

But Mr. Price put a lot of himself into all of his public services. He was what is often called a 'horse for work'—he never spared himself. His devotion to duty was so great that while chairman of the Workmen's Compensation Act, was often the first at the office in the morning and the last away at night, and during his ten years or so incumbency of office never took a holiday. He undertook more than his robust constitution and his correct method of living could withstand, and his retirement a few months ago was forced by ill-health. He was really a martyr to duty."

The Hon. W. F. Nickle, K.C., Attorney General for Ontario, commenting on this article writes "it puts the matter clearly and gives Mr. Price credit where he deserved it," and "Ontario never had a better public servant."

The staff in their farewell address after his resignation expressed their sentiments as follows:

"It is hard to find words to express our deep appreciation of your kindness in so many ways to the various members of the staff and the keen interest you have taken in the personal welfare of the individual members. We all realize we are losing a friend who cannot be replaced."

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REPORT FOR 1925

OF

THE WORKMEN'S COMPENSATION BOARD

ONTARIO

The Workmen's Compensation Board begs to submit its Report for the year 1925, being the eleventh year of the operation of the Act.

GENERAL REVIEW

Benefits

The total amount of benefits awarded under the Act during the year 1925 was $5,565,443.39.

This is over half a million dollars less than the amount awarded during the previous year; 1924 being $6,122,820.34; 1923, $6,173,861.74; and 1922, $5,692,896.61.

Of the total $5,565,443.39 benefits in 1925, $4,511.366.28 were in Schedule 1 industries, where the collective liability system prevails, and $1,054,077.11 were in Schedule 2 industries (including Crown cases), which are under the individual liability system.

Of the $4,511,366.28 benefits in Schedule 1, $3,635,530.27 were compensation and $875,836.01 medical aid, the medical aid being a little over 19 per cent. of the total, the medical aid for the years 1924, 1923, and 1922 being, respectively, 17, 16, and 16¾ per cent. Medical aid in Schedule 2 is paid by the employers directly and therefore does not appear in the above figures.

Accidents

There were 60,012 accidents in all reported to the Board in 1925, as compared with 58,675 in 1924, 61,109 in 1923, and 50,411 in 1922. The number of fatal cases was 345, as compared with 402 during the year 1924.

Cases involving medical aid only, in Schedule 1 industries, paid for during the year 1925 numbered 21,986, as compared with 21,137 during 1924; temporary disability cases were 28,397, as compared with 28,076 during 1924; permanent partial disability cases, 2,036, as compared with 2,314; permanent total disability cases, 18, as compared with 31; and death cases, 296, as compared with 353 during 1924. This makes the total cases in which payments have been made either for medical aid or medical aid and compensation during 1925, 52,733, as compared with 51,911 during 1924, so that there is an increase in cases which involve medical aid only and a marked decrease in death and permanent disability cases, both total and partial, showing lessened accident severity and lessened accident cost.

The total benefits awarded from the commencement of the Act to the end of 1925 amounted to $51,494,095.45, while the accidents reported during the same period numbered 502,014.

The estimated pay rolls for 1925 amounted to $395,619,000, with 25,681 employers, as compared with $387,085,000 and 25,155 employers in 1924.

Premises

The Board has removed their premises from 66 Temperance Street to a modern office building on the eleventh and twelfth floors of the Metropolitan Building at the corner of Victoria and Adelaide Streets, known as 44 Victoria Street, the offices for the public being on the 12th floor.

Administration Expenses

These show a slight normal increase, being $237,433.34 in 1923, $254,846.93 in 1924, and $269,587.23 in 1925, the usual increases in salaries, special moving and furnishing expenses being more than sufficient to account for the increase during the year 1925. As the compensation awarded during the year was considerably less, the percentage of administration costs to total benefits awarded was slightly higher, being 4.84 per cent. as compared with 4.16 per cent. in 1924.

Accident Prevention, First Aid, and Rehabilitation

There are several well-known methods of reduction of accident costs which are of interest both to the workmen and employers.

First, accident prevention. During the year 1925 grants to the various accident prevention associations have increased from $79,506.14 in 1924 to $97,102.46, these payments being made to the different associations on the requisitions of their directors. All expenditures are under the direct control and management of the directors of the various associations, the Board's function being simply to supply the money for these operations out of the funds of the employers in the different classes represented. There appears to be a much wider interest being taken by employers and workmen in accident prevention and safety work and a more intensive campaign is being carried on by these associations. Each employer should assist and get the benefit of the increased expenditures made each year by these associations. The Board's records show that so far as accidents caused by machinery are concerned they have fallen from 26.06 per cent. in 1922 to 20.95 per cent. in 1924.

2. First Aid. When an accident has happened, first aid is very effective in lessening the seriousness of the disability and preventing infection of wounds. Many employers are careful to see to the supply of hospital and first aid equipment in their plants under the charge of trained nurses or first aid men, and to encourage the training of many of their employees in first aid rules as taught by the St. John Ambulance Corps and other organizations, and do so not only by courses taken by the men but by competitions between different teams of the employees so that their interest may be aroused and the work advanced. Employers can assist very greatly in this by encouragement in the training of their men in first aid work and in seeking co-operation of their employees in this work.

3. Rehabilitation. Just recently power has been given to the Board to spend up to $100,000 a year in the rehabilitation of workmen. This branch of the Board's work is being developed as opportunity arises, but the work is still in its infancy. There is no doubt that the employer has the first responsibility for re-employment of the men who have been injured in his employ. The casualties of industry must be taken care of, and nothing is more important than that the injured workman should return to work as soon as possible after his disability, as it is in the interest both of the workman, who receives 100 per cent. wages while at work and only an amount not exceeding 66 2/3 per cent. when under compensation, so that the workman financially benefits by return

to work, also the employer, who pays compensation, medical aid and hospital cost is also financially interested in the return of the workman and his re-employment even though he is not able to give full returns for the wages when so re-employed, but still greater benefit is that it keeps up the morale of the workman and makes him feel that he is earning his own livelihood and that his interests and those of his employers are one. If, however, the disability is such that a workman must change his employment by reason of it, the Board has been using the Ontario School of Occupational Therapy to restore men to the full use of their limbs and to teach new trades. The Board is also endeavoring by means of special courses to re-establish men in industry in some position where they can carry on notwithstanding such serious disability as they have suffered from. This work should grow each year in efficiency, and the co-operation of the employers is very earnestly requested in assisting the Board in re-establishing workmen and giving them employment even though they are not as fully competent to perform their tasks as before the accident.

Merit Rating

As merit rating in accordance with the custom of the Board is applied every three years, and the last merit rating was given in 1924, no reference is made to it in the present report.

Funds

Outside of the Disaster Emergency Fund, which amounted at the end of 1925 to $265,610.03, and outside of the reserve funds to meet pensions awarded and deferred compensation by reason of infancy or other similar cause, the Board endeavors to keep the accident fund for Schedule 1 classes as nearly balanced each year as safety permits. This year the usual actuarial revaluation of all pension liabilities was made as of 31st October, 1925, and the sum of $427,214.62 was transferred back to the benefit of the contributing classes in the accident fund, so that at the close of the year there was only a balance to the credit of all classes of $114,774.07.

The reserve funds of the Board are invested only in bonds of the Province of Ontario and debentures of Ontario municipalities in first class standing and in Dominion of Canada bonds. The Board have during the year exchanged a number of bonds whose date of maturity was becoming short and have reinvested in long-term government bonds and municipal debentures so as to keep the rate of interest as nearly uniform as possible over long periods of time.

All the funds of the Board have been audited by Messrs. Fred Page Higgins & Company, the auditors appointed by the Lieutenant-Governor in Council under the provisions of Section 65 of The Workmen's Compensation Act, and their certificate is found at the end of this report.

Contents of Report

In the different chapters and tables, as indicated in their headings, will be found information and particulars regarding compensation and assessments in the various industries, and explanations and particulars of the different funds of the Board; also an analysis and tabulation of the causes of accidents, the nature of injuries, and other information concerning accidents and workmen. The appendix contains short summaries of the operations from the commencement of the Act to the end of 1925.

CHAPTER I

SCHEDULE 1 INDUSTRIES FOR 1925

Two Systems

As some of the industries covered by the Act are under the collective liability system (the employer not being individually liable for accidents to his workmen but being assessed to provide a general fund out of which accidents occurring in his class of industry throughout the province are taken care of) and others are under the individual liability system (the employer being liable to pay for accidents happening to his own workmen) separate financial statements have to be made for each. The industries under the collective liability system are included in Schedule 1, and those under individual liability in Schedule 2, the former comprising much the greater number.

This chapter deals with Schedule 1 industries for 1925. Schedule 2 industries are dealt with in Chapter II, while Chapter III deals with the work handled in both schedules and the administration of the Act generally during the year, Chapter IV with the different funds in both schedules and their standing at the end of 1925, and Chapter V gives financial and statistical information for 1924 which was not available when the report for that year was made.

Provisional Financial Statement

The provisional financial statement for the industries in Schedule 1 for 1925 is contained in Table 1. To show the standing for the year estimates have to be made of adjustments of assessments according to actual pay rolls and on the retroactive rates (the assessments for the year being first levied on an estimate of pay roll and at a provisional rate), and estimates also have to be made of compensation and medical aid still to be awarded for accidents happening during the year which have not yet been finally disposed of by reason of the injured workman being still under medical treatment or reports not being received. Final figures for the year 1925 will be shown in the next subsequent report in the same manner as the final figures for 1924 are shown in Table 15 of this report.

The difference is to be noted between the amount of compensation and medical aid awarded for the year's accidents and the amount awarded during the year. The latter is partly for the prior year's accidents, while upon the other hand it does not cover all the liability for the current year's accidents. The more correct system of charging each year as far as possible with its own accidents, and for that purpose keeping the year's accounts open till the end of the subsequent year, has been adopted, rather than the looser method of taking the amount awarded during the year as the cost of the year's accidents and leaving always an outstanding liability unprovided for. For the purpose of information and comparison, however, the amounts awarded during the year are shown in Chapter III.

Accounts for Each Class

The industries in Schedule 1 are divided into classes, and as each class (subject to any transfer that may be made to it from the Disaster Reserve in any case of undue burden) bears its own accident cost—the employers in the class being in effect a mutual insurance association—separate accounts have to be kept for the different classes. Each class is credited with its own assess-

ments, its share of interest and other income, and with any transfer made to it from Disaster Reserve, or credit from any other source, and is charged with the cost of its own accidents, its share of administration expenses, the cost of its safety association if it has one, and with its share of any amount set aside for Disaster Reserve.

The figures for each class, and the provisional surplus or deficit for the year, and the balance forward from prior years, and the provisional surplus or deficit for all years, are shown in Table 1. The final figures for each class and also the figures for the different groups within the classes (as in Table 15) will be shown in the next report. The assessments are fixed according to the accident cost and other expenses and charges in each class and group and having regard to the other income and credits.

The classes are numbered and the nature of the industries in each is shown at the bottom of Table 1, and full enumeration of the industries will be found in Schedule 1 of the Act and in the Board's rate book, the latter also showing the grouping within the class.

Assessments and Other Credits

The total assessments in all the classes of Schedule 1 for the year, including estimated adjustments, amounted to $4,454,813.02. In assessments are included collections for default in making returns or payments and interest for under and over estimate of pay roll and merit rating. The other income and credits for the year consisted of interest received other than credited to the Pension Fund, Disaster Reserve, and Compensation Deferred, as shown in Chapter IV; reimbursement for veteran cases, received from the Department of Soldiers' Civil Re-establishment; cost of accidents collected from employers under Section 93a for failure to furnish pay roll prior to accident; recovery from third parties under Section 9; collections under Section 99 (3) from employers for failure to furnish particulars of accident; assessments under Section 74 (4) for extra-ordinary accident experience; and, as a result of actuarial revaluation of Pension Fund obligations, a re-transfer from Pension Fund to Current Fund. Other income and credits amounted to $607,188.73, making a total of $5,062,001.75 income and credits for the year.

Compensation and Other Charges

The compensation in Schedule 1 industries for the year, including estimate for what is still to be awarded for accidents happening during the year, amounted to $3,760,357.78; the medical aid, including estimate for what is outstanding, amounted to $812,829.88; the administration expenses for Schedule 1 amounted to $225,923.69; and $97,102.46 was paid to the employers' safety associations. The total expenditures and charges for the year were $4,896,213.81.

The provisional surplus for the year was $165,787.94, being the total income and credits less the total expenditure and charges. The balance forward from prior years was a deficit of $51,013.87, which, deducted from the surplus for the year, leaves a net provisional surplus of $114,774,07 at December 31, 1925.

Financial statement for Schedule 1 industries since the commencement of the Act is contained in the Appendix.

Number of Employers

The total number of employers listed in Schedule 1 at the end of 1925 was 25,681, as compared with 25,155 at the end of 1924. The number in each class and group of industry is shown in Table 2.

Wage Expenditure

The estimated total wage expenditure in Schedule 1 industries for the year 1925, calculated on provisional figures, is $395,619,000, as compared with $387,085,000 in 1924. The amounts for the different classes of industry are shown in Table 3.

The Board has no similar data for Schedule 2 and Crown industries as in these the employers pay for the accidents to their own workmen and are not required to make pay roll returns or pay assessments upon them as in Schedule 1. The pay roll would probably be about one-third that of Schedule 1.

Average Rates of Assessment

Assessments in Schedule 1 are in the form of a percentage of pay roll and the average rate or percentage over all the classes actually paid by the employers can be ascertained by relating the total assessments to the total wage expenditure. This, on the provisional figures, gives an average rate of assessment for 1925 of $1.13 on every $100 of pay roll. The average over all years since the commencement of the Act was $1.10.

Class	als
	2,389
	62
	319
	702
	499
	778
	17
	209
	258
	954
	704
	598
	653
	81
	,098
	320
	322
	758
	899
	,165
	699
	372
1	840
1	,985
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1	,681
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TABLE 1

PROVISIONAL FINANCIAL STATEMENT FOR SCHEDULE 1, BY CLASSES, FOR 1925

Class	INCOME AND CREDITS (Actual and Estimated)				EXPENDITURE AND CHARGES (Actual and Estimated)								SURPLUS OR DEFICIT FOR YEAR (Provisional)	Balance Forward Prior Years	SURPLUS OR DEFICIT ALL YEARS (Provisional)	Class
	Collected on Provisional Assessments	Estimated Adjustments of Assessments*	Interest Secs. 74 (4), 93a, 99 (3), and 9, etc.†	TOTAL FOR YEAR	Compensation Paid, other than Pensions	Transferred for Pensions Awarded	Compensation Awarded, Payment Deferred	Compensation Estimated Outstanding	Medical Aid Paid	Medical Aid Estimated Outstanding	Administration Expenses	Paid to Safety Associations	TOTAL FOR YEAR			
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
1	577,392 78	180,292 33	62,881 39	820,566 50	205,696 34	75,211 00	2,710 00	200,400 47	105,457 95	30,060 66	42,649 90	11,900 00	674,086 32	146,480 18	—282,034 86	—135,554 68	1
2	263,590 04	—13,953 34	30,683 64	280,320 34	71,261 09	62,804 00	425 00	71,900 02	35,251 06	10,340 79	13,561 25	5,400 00	270,943 21	9,377 13	—34,704 95	—25,327 82	2
3	57,875 67	—4,879 16	8,510 06	61,506 57	24,930 64	2,019 00	1,140 00	18,591 28	9,775 75	2,492 92	2,798 02	2,365 60	64,113 21	—2,606 64	—148 78	—2,755 42	3
4	142,138 36	32,682 36	19,664 60	194,485 32	65,397 77	37,111 00	2,925 00	53,731 78	22,469 69	5,275 77	7,094 92	5,998 42	200,004 35	—5,519 03	—15,539 31	—21,058 34	4
5	542,990 09	—30,547 66	86,710 22	599,152 65	152,204 01	117,920 00	100 00	217,022 62	51,682 18	24,680 51	35,442 41	.....	599,051 73	100 92	14,155 97	14,256 89	5
6	144,442 67	8,706 14	25,532 28	178,681 09	40,749 30	52,565 00	100 00	63,212 70	16,009 22	9,231 24	7,823 75	6,614 61	196,305 82	—17,624 73	39,474 56	21,849 83	6
7	112,276 73	—39,924 52	31,883 98	104,236 19	28,301 13	16,058 00	.....	24,862 39	9,869 10	2,613 45	3,530 24	2,984 65	88,218 96	16,017 23	68,368 17	84,385 40	7
8	123,230 78	7,047 58	12,707 72	142,986 08	42,351 56	8,716 00	.....	22,058 64	20,630 52	3,308 80	6,415 89	5,424 33	108,905 74	34,080 34	—41,321 33	—7,240 99	8
9	154,849 77	20,458 92	27,498 37	202,807 06	65,935 16	31,720 00	1,170 00	61,107 91	29,422 92	9,435 44	8,857 84	7,488 88	215,138 15	—12,331 09	13,379 73	1,048 64	9
10	222,680 15	—3,494 47	40,425 37	259,611 05	89,007 76	40,733 00	5,375 00	65,357 81	39,029 89	9,633 86	10,016 17	8,468 20	267,621 69	—8,010 64	77,414 34	69,403 70	10
11	153,659 03	29,641 39	22,474 09	205,774 51	77,910 10	35,089 00	2,850 00	47,768 14	30,795 85	7,165 22	6,096 33	5,154 16	212,828 80	—7,054 29	28,354 53	21,300 24	11
12	138,336 99	8,935 93	21,719 48	168,992 40	51,442 41	8,927 28	750 00	54,140 07	18,313 06	8,528 71	7,149 31	6,044 41	155,295 25	13,697 15	6,517 88	20,215 03	12
13	64,986 82	—13,276 09	13,862 26	65,572 99	20,870 16	2,605 00	350 00	18,198 97	9,138 55	2,729 85	2,659 88	.....	56,552 41	9,020 58	3,586 81	12,607 39	13
14	50,037 21	1,545 95	6,606 47	58,189 63	17,757 51	12,554 00	.....	10,250 91	13,727 89	1,537 64	2,612 14	2,208 44	60,648 53	—2,458 90	3,188 37	729 47	14
15	181,991 48	16,870 14	25,267 69	224,129 31	59,039 92	50,469 74	1,735 00	63,507 95	28,302 89	9,054 91	9,465 31	8,002 47	229,578 19	—5,448 88	50,970 00	45,521 12	15
16	97,499 63	47,316 83	13,310 11	158,126 57	47,604 95	17,244 00	1,275 00	48,863 15	18,664 64	6,660 32	5,469 53	4,624 23	150,405 82	7,720 75	—19,471 88	—11,751 13	16
17	119,577 07	—12,189 33	18,019 10	125,406 84	32,843 82	16,613 00	475 00	26,454 47	13,658 35	3,814 63	6,496 24	5,492 26	105,847 77	19,559 07	551 11	20,110 18	17
18	31,717 34	1,003 38	3,511 32	36,232 04	11,004 47	1,834 00	550 00	4,820 39	6,457 85	723 05	877 64	742 00	27,009 40	9,222 64	10,683 03	19,905 67	18
19	71,578 35	—10,725 82	10,135 94	70,988 47	24,168 40	.....	1,150 00	18,155 15	9,324 05	2,723 27	2,590 09	2,189 80	60,300 76	10,687 71	3,634 92	14,322 63	19
20	115,777 53	29,470 48	12,279 17	157,527 18	52,970 29	17,010 00	200 00	55,985 69	20,186 89	8,397 86	5,623 65	.....	160,374 38	—2,847 20	2,537 77	—309 43	20
21	125,661 87	18,264 31	17,181 98	161,108 16	50,891 58	74,388 82	100 00	43,368 31	19,529 02	12,423 06	7,287 18	.....	207,987 97	—46,879 81	2,612 10	—44,267 71	21
22	61,785 12	11,739 17	8,470 73	81,995 02	14,125 38	18,057 00	.....	11,178 41	7,115 00	1,676 76	3,171 65	6,000 00	61,324 20	20,670 82	—24,927 59	—4,256 77	22
23	199,271 06	42,774 44	27,357 76	269,403 26	73,007 80	55,070 00	.....	115,825 95	30,802 76	10,000 41	15,486 50	.....	300,193 42	—30,790 16	—45,669 86	—76,460 02	23
24	324,913 77	48,793 75	60,495 00	434,202 52	‡130,951 33	94,488 00	650 00	119,934 88	48,643 12	16,062 55	12,747 85	.....	423,477 73	10,724 79	87,375 40	98,100 19	24
All	4,078,260 31	*376,552 71	†607,188 73	5,062,001 75	1,450,422 88	849,206 84	24,030 00	1,436,698 06	614,258 20	198,571 68	225,923 69	97,102 46	4,896,213 81	165,787 94	—51,013 87	114,774 07	All

*Adjusted on actual pay rolls and retroactive rates.

†Includes Interest, $135,239.54; 93a, $8,805.10; 99 (3), $170.53; under Sec. 9, $887.91; under Sec. 74 (4), $306.16; reimbursement from D.S.C.R., $34,564.87; transferred from Pension Fund (see Chapter IV and Table 11), $427,214.62.

‡Includes Rehabilitation, $76.00.

Class Numbers of Industries

1. Lumbering.
2. Pulp and paper mills.
3. Furniture manufacturing, etc.
4. Planing mills, etc.
5. Mining and explosives.
6. Brick manufacturing, quarrying and glass works.
7. Rolling mills, etc.
8. Foundries, etc.
9. Fabrication structural steel, etc.
10. Metal articles, jewellery mfg., etc.
11. Agricultural implements, etc.
12. Gas, petroleum, paint, drugs, soap, etc.
13. Milling.
14. Abattoirs, etc.
15. Bakeries, canning, liquors, and tobacco.
16. Tanneries, leather and rubber goods.
17. Textiles.
18. Clothing, power laundries, etc.
19. Printing and stationery.
20. Teaming, cartage, coal and wood yards, etc.
21. Road construction, etc.
22. Electric power, etc.
23. Steel construction, railway and canal construction, dredging, fishing, etc.
24. Building.

TABLE 2

NUMBER OF FIRMS IN SCHEDULE 1, BY CLASSES AND GROUPS, DECEMBER 31, 1925

Class	Group 0	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8	Group 9	Totals
1	307	202	1,880	.....	.....	.....	.....	.....	.....	.....	2,389
2	34	18	10	.....	.....	.....	.....	.....	.....	.....	62
3	129	37	39	114	.....	.....	.....	.....	.....	.....	319
4	395	58	88	28	133	.....	.....	.....	.....	.....	702
5	92	183	5	169	3	15	20	12	.....	.....	499
6	96	97	7	209	60	142	167	.....	.....	.....	778
7	4	12	1	.....	.....	.....	.....	.....	.....	.....	17
8	107	9	55	38	.....	.....	.....	.....	.....	.....	209
9	19	16	2	20	183	18	.....	.....	.....	.....	258
10	272	265	40	46	50	27	147	107	.....	.....	954
11	56	576	69	3	.....	.....	.....	.....	.....	.....	704
12	34	228	98	31	207	.....	.....	.....	.....	.....	598
13	589	64	.....	.....	.....	.....	.....	.....	.....	.....	653
14	81	.....	.....	.....	.....	.....	.....	.....	.....	.....	81
15	240	191	86	237	73	218	53	.....	.....	.....	1,098
16	61	100	97	38	24	.....	.....	.....	.....	.....	320
17	131	119	72	.....	.....	.....	.....	.....	.....	.....	322
18	640	118	.....	.....	.....	.....	.....	.....	.....	.....	758
19	325	478	46	50	.....	.....	.....	.....	.....	.....	899
20	1,213	952	.....	.....	.....	.....	.....	.....	.....	.....	2,165
21	503	196	.....	.....	.....	.....	.....	.....	.....	.....	699
22	372	.....	.....	.....	.....	.....	.....	.....	.....	.....	372
23	100	125	615	.....	.....	.....	.....	.....	.....	.....	840
24	1,341	523	1,899	465	1,253	1,159	314	197	2,441	393	9,985
All											25,681

TABLE 3

ESTIMATE OF WAGE EXPENDITURE, SCHEDULE 1 BY CLASSES, FOR 1925

Class	Wage Expenditure
1	$24,900,000
2	14,810,000
3	10,480,000
4	11,464,000
5	21,592,000
6	9,486,000
7	7,235,000
8	11,098,000
9	16,151,000
10	31,009,000
11	32,430,000
12	19,560,000
13	5,636,000
14	6,579,000
15	26,455,000
16	20,386,000
17	19,491,000
18	21,588,000
19	21,768,000
20	10,537,000
21	7,050,000
22	4,201,000
23	7,110,000
24	34,603,000
Total	$395,619,000

CHAPTER II

SCHEDULE 2 INDUSTRIES DURING 1925

Table 4 is a statement of the compensation awarded and the moneys handled during 1925 in Schedule 2 industries (in which the employer is individually liable for accidents to his workmen). Dominion Crown Cases under the Act by Dominion legislation, and Provincial Crown Cases referred to the Board for adjustment, are included.

The total amount of compensation awarded in Schedule 2 industries and Crown Cases during 1925 was $1,054,077.11. Of this amount $166,764.86 was for workmen of municipal corporations, $281,726.33 for steam railroads, $34,211.54 for electric railways, $23,328.89 for navigation companies, $4,396.26 for express and sleeping car companies, $23,495.98 for telephone and telegraph companies, $468,747.65 for Dominion Crown Cases, and $51,033.31 for Provincial Crown Cases. Of the total amount awarded $560,306.00 was for pensions in pension cases, and $493,771.11 for cases not pension cases.

In pension cases, except in the case of municipal or government bodies or departments thereof, not so desiring, deposits must be made by employers in Schedule 2 industries. Particulars of these are given under "Deposits under Section 28." Under "Claimants' Moneys" are included moneys held by the Board under awards in which in the interest of the claimant, or for some other reason, payment of the amounts held is deferred to a later date, as in the case of minors. "Deposits under Section 31a" are amounts deposited with the Board to enable the Board to make prompt payments without waiting for receipt of cheque from employer.

Employers in Schedule 2 are assessed their share of the expense of administration, as set out in Table 8. For 1925 that share amounted to $22,725.93, as compared with $22,745.14 in 1924, and $27,583.24 in 1923. Proportionate to the amount of compensation awarded, administration expenses in Schedule 2 and Crown Cases were 4.14 per cent. in 1925, as compared with 3.64 per cent. in 1924.

Further information as to Schedule 2 funds, and particulars of Schedule 2 investments, are given in Chapter IV and in Tables 10 and 14, and in the Appendix.

TABLE 4

STATEMENT FOR SCHEDULE 2 DURING 1925

SCHEDULE 2 AWARDS

	Awards Not Pensions	Pensions	Totals
Municipal Corporations, etc.	$ 81,784 86	$ 84,980 00	$166,764 86
Steam Railroads	129,613 33	152,113 00	281,726 33
Electric Railways	17,591 54	16,620 00	34,211 54
Navigation Companies	18,178 89	5,150 00	23,328 89
Express and Sleeping Car Companies	4,396 26	.....	4,396 26
Telephone and Telegraph Companies	13,386 98	10,109 00	23,495 98
All Others	372 29	.....	372 29
Dominion Crown Cases	199,738 65	269,009 00	468,747 65
Provincial Crown Cases	28,708 31	22,325 00	51,033 31
Totals	$493,771 11	$560,306 00	$1,054,077 11

SCHEDULE 2 FUNDS

Deposits under Section 28

Cash in bank and invested, January 1, 1925	$3,358,012 21	
Deposits received from employers	200,459 36	
Interest received	197,108 80	
Paid to pensioners		$ 304,134 88
Cash in bank and invested, December 31, 1925		3,451,445 49
	$3,755,580 37	$3,755,580 37

Claimants' Moneys

Cash in bank and invested, January 1, 1925	$57,627 17	
Deposits received from employers	1,263 58	
Interest received	2,750 98	
Paid to claimants—as principal		$13,167 03
—as interest		187 89
Cash in bank and invested, December 31, 1925		48,286 81
	$61,641 73	$61,641 73

Deposits under Section 31a

Cash in bank, January 1, 1925	$51,376 99	
Deposits received from employers	573,631 64	
Payments made		$575,458 30
Cash in bank, Dec. 31, 1925		49,550 33
	$625,008 63	$625,008 63

TOTALS OF FUNDS

Cash in bank and invested, January 1, 1925	$3,467,016 37	
Deposits received from employers	775,354 58	
Interest received	199,859 78	
Payments made		$892,948 10
Cash in bank and invested, December 31, 1925		3,549,282 63
	$4,442,230 73	$4,442,230 73

CHAPTER III

WORK HANDLED DURING 1925

This chapter deals with the work handled during 1925 and with the administration of the Act generally during the year. Particulars are given in Tables 5 to 9.

The figures are for what has been dealt with during 1925 without regard to the year in which the accidents dealt with occurred, while as explained in Chapter I the figures in Chapter I and Chapter V are for the accidents happening during the year.

Benefits Awarded During the Year

The total amount of compensation awarded during 1925 was $4,689,607.38, of which $3,635,530.27 was in Schedule 1 industries, $534,296.15 in Schedule 2 industries, and $519,780.96 in Crown cases; there was also paid for medical aid in Schedule 1 during the year $875,836.01, making the total benefits awarded during the year $5,565,443.39. In Schedule 2 and Crown cases medical aid is provided directly by the employer and no figures are available.

The benefits awarded during each year since the commencement of the Act are as follows:

Year	Schedule 1 Compensation	Schedule 1 Medical Aid	Schedule 2 and Crown Compensation	Total Benefits
1925	$3,635,530 27	$875,836 01	$1,054,077 11	$5,565,443 39
1924	4,052,287 77	835,956 60	1,234,575 97	6,122,820 34
1923	4,036,170 26	788,905 90	1,348,785 58	6,173,861 74
1922	3,417,101 61	692,819 94	1,582,975 06	5,692,896 61
1921	3,858,017 50	662,793 89	1,668,452 10	6,189,263 49
1920	5,113,149 77	703,705 66	1,963,389 82	7,780,245 25
1919	2,808,638 65	386,298 51	997,922 77	4,192,859 93
1918	2,751,137 45	369,346 37	763,511 02	3,883,994 84
1917	2,286,954 99	*83,514 07	623,556 37	2,994,025 43
1916	1,553,653 38	†.....	451,709 93	2,005,363 31
1915	692,389 09	†.....	200,932 03	893,321 12
Totals	$34,205,030 74	$5,399,176 95	$11,889,887 76	$51,494,095 45

*Half year only. †No provision for medical aid.

The increase in benefits from the early years is largely by reason of increase in wages, compensation being for the most part a percentage of wages, and additional industries have been covered, and some material increases were made in compensation. The large total for 1920 is by reason of the retroactive increases in widows' and children's pensions, and the small amount awarded during 1915 is by reason of many 1915 accidents not being, nor capable of being, finally disposed of till the following year. The amount of benefits awarded for each year's accidents as distinguished from the amount awarded during the year is shown in Chapter V.

Accidents Reported During the Year

During 1925, 60,012 accidents were reported. These included some not serious enough to involve payment of either compensation or medical aid and for which no claim was made and others for which claims were made but which were not allowed by the Board.

At the close of the year there were 1,332 claims in assembly, as compared with 1,330 at the end of 1924, notice of the accident having been given but reports necessary to deal with the case not yet having been received.

The number of accidents reported each year and the total number since the commencement of the Act are as follows:

Year	Schedule 1	Schedule 2	Crown	Totals
1925	50,883	5,079	4,050	60,012
1924	49,558	4,916	4,201	58,675
1923	51,655	6,080	3,374	61,109
1922	42,139	7,124	1,148	50,411
1921	36,272	7,666	1,253	45,191
1920	46,177	7,222	1,452	54,851
1919	36,236	7,918	106	44,260
1918	40,662	7,113	73	47,848
1917	30,701	5,813	18	36,532
1916	21,269	4,806	17	26,092
1915	13,878	3,144	11	17,033
Totals	419,430	66,881	15,703	502,014

Accidents Paid For During the Year

Table 5 shows the number of accidents in which compensation or medical aid was paid during 1925. The total number was 52,733, as compared with 51,911 in 1924. The 52,733 comprised 296 death cases, 18 permanent total disability cases, 2,036 permanent partial disability cases, 28,397 temporary disability cases, and 21,986 cases in which medical aid only was paid. Schedule 2 and Crown cases involving medical aid only, which are a large proportion of the accidents reported, are not included as accidents paid for as the medical aid is furnished directly by the employer.

The number of accidents in which compensation or medical aid was awarded each year since the commencement of the Act is as follows:

Year	Schedule 1	Schedule 2	Crown	Totals
1925	47,782	2,734	2,217	52,733
1924	46,616	2,820	2,475	51,911
1923	47,873	3,849	1,916	53,638
1922	37,172	4,572	765	42,509
1921	34,271	5,161	834	40,266
1920	42,693	4,444	714	47,851
1919	34,400	4,517	153	39,070
1918	36,565	4,335	30	40,930
*1917	25,277	3,406	19	28,702
*1916	15,370	2,825	3	18,208
*1915	8,328	1,494	7	9,829

*Cases involving medical aid only not covered till July 1, 1917.

Awards Changed

In addition to claims compensated, as shown in Table 5, the Board in 1925 re-opened for further action 335 claims which had been settled previously. Of these 3 were cases of foreign-born pensioners returning to their native land, commutation being made of their pension, and 332 were cases of other awards previously made being changed in form or amount.

Cheques, Assessments, Mail, and Callers

In all 195,119 cheques were issued during the year, an average of 646 daily, and there were 30,050 assessments made, including refunds. About 4,500 pieces of mail daily were handled, and the average number of office callers was 70 a day.

Receipts and Payments

The receipts and payments during the year are shown in Table 6, the statement for Schedule 2 including Crown cases. Explanation of the items and the funds referred to will be found in other parts of the report. A summary of receipts and payments since the commencement of the Act is given in the Appendix.

Payments to Safety Associations

The safety or accident prevention associations are organizations of employers established under the authority of the Act by the employers in 18 out of the 24 classes of industry. They are under the management of the employers but the expenses are paid by the Board out of the accident fund.

Table 7 gives the names of these associations, the classes of industry covered, the names and salaries of their inspectors, the amounts paid for travelling expenses and granted for other expenses, during 1925. The total expenses for the year were $97,102.46.

Administration Expenses

The administration expenses of the Board, analyzed under the different headings, are shown in Table 8. The total administration expenses during 1925 were $269,587.23, as compared with $254,846.93 in 1924. The employers pay the whole of this expense, the amount being divided, according to the accidents handled, among Schedule 1, Schedule 2, and Dominion and Provincial Crown. The amount charged to Schedule 1 employers for the year was $225,923.69, to Schedule 2, $22,725.93, to Dominion Crown $18,834.90, and to Provincial Crown, $2,102.71.

Included in the administration expenses for 1925 is the total cost of relocating the Board's offices, the expenses of moving being $4,137.33.

Salaries of the Members of the Board are paid by the Province.

The cost of office furniture, fixtures, and equipment, including permanent equipment, has always been charged to administration expenses in the year in which payment therefor was made, and no entry for which has ever been made in the standing of the funds. The value of this furniture and equipment at the present time is estimated at about $25,000.

The total administration expenses for 1925 were 4.84 per cent. of the total benefits awarded. The administration expenses in Schedule 1 for 1925 were 5.01 per cent. of the benefits awarded during the year, those in Schedule 2 and Crown being 4.14 per cent.

The names, positions, and salaries of the staff of the Board are given in Table 9.

TABLE 5

COMPENSATION, MEDICAL AID, AND ACCIDENTS PAID FOR, DURING 1925

Compensation Awarded during 1925

Schedule 1	$3,635,530 27
Schedule 2	534,296 15
Crown Cases	519,780 96
Total	$4,689,607 38

Medical Aid Paid during 1925

Schedule 1	$875,836 01
Schedule 2	furnished by employer
Crown Cases	furnished by employer

Accidents Paid For during 1925

	Medical Aid Only	Temp. Dis.	Perm. Partial Dis.	Perm. Total Dis.	Death	Totals
SCHEDULE 1—						
Full Compensation	.....	21,971	1,799	15	201	23,986
Part Compensation	.....	1,794	.....	.....	16	1,810
Medical Aid only	21,986	.....	.....	.....	.....	21,986
Totals	21,986	23,765	1,799	15	217	47,782
SCHEDULE 2—						
Full Compensation	.....	2,372	120	1	41	2,534
Part Compensation	.....	199	.....	.....	1	200
Totals	.....	2,571	120	1	42	2,734
CROWN CASES—						
Full Compensation	.....	1,934	117	2	32	2,085
Part Compensation	.....	127	.....	.....	5	132
Totals	.....	2,061	117	2	37	2,217
Grand Totals	21,986	28,397	2,036	18	296	52,733

TABLE 6

STATEMENT OF RECEIPTS AND PAYMENTS DURING 1925

Schedule 1

Receipts			Payments		
Cash in Banks, Jan. 1, 1925:			Overdraft—Dominion Bank..		$5,148 40
Standard Bank.....	$ 565 07		Compensation Paid other than Pensions and Compensation Deferred.....		2,024,310 27
Bank of Montreal...	1,380 21		Pensions Paid.....		1,137,042 42
		$1,945 28	Deferred Compensation Paid..		56,489 42
Net Assessments, Penalties, etc., collected:			Rehabilitation Paid.....		96 00
Gross Assessments.....$4,901,711 70			Medical Aid Paid.....		875,836 01
Merit Rating Charges....	38,592 37		Administration Expenses.....		269,587 23
Under Sec. 74(4)	1,006 16		Paid to Safety Associations...		97,102 46
Under Sec. 93a	10,079 44		Invested.....		2,404,687 17
Under Sec. 99(3)	200 53		Invested (from exchange of Dom. of Can. Victory Loan due 1934) (see contra).....		2,354,889 97
Under Sec. 9 .	1,187 91				
From D.S.C.R.	34,564 87				
	$4,987,342 98				
Less:					
Assessments and Penalties refunded.....	$58,690 67				
Merit Rating Refunds...	3,182 81				
	$61,873 48				
		4,925,469 50			
Interest.....		796,318 31	Cash in Banks, Dec. 31, 1925:		
From Schedule 2 employers and Dominion Crown for administration expenses account of prior years paid out of Schedule 1 in 1924..		46,197 61	Dominion Bank.....	$107,519 44	
Principal returned from investments.....		1,032,482 86	Standard Bank.....	161 72	
From Dominion of Canada Victory Loan due 1934 exchanged for various investments (see contra).....		2,354,889 97	Royal Bank..	3,071 33	
Cash received on exchange of Dom. of Can. Victory Loan (which was reinvested).....		178,638 31			110,752 49
		$9,335,941 84			$9,335,941 84

Schedule 2

Receipts			Payments		
Cash in Imperial Bank, Jan. 1, 1925.....		$107,573 37	To Claimants out of Deposits under Section 28.....		$304,134 88
From Employers for Deposits under Section 28.....		200,459 46	To Claimants out of Claimants' Moneys:		
From Employers for Claimants' Moneys.....		1,263 58	Principal.....	$13,167 03	
From Employers for Deposits under Section 31a.....		573,631 64	Interest.....	187 89	
Interest.....		199,859 78			13,354 92
			Paid out of Deposits under Section 31a:		
			For Compensation.....	$561,063 60	
			For Medical Aid.....	14,394 70	
					575,458 30
			Permanent Investments.....		152,627 47
			Cash in Imperial Bank, Dec. 31, 1925.....		37,212 16
		$1,082,787 73			$1,082,787 73

TABLE 7

PAYMENTS TO SAFETY OR ACCIDENT PREVENTION ASSOCIATIONS, 1925

Association	Class	Inspectors	Salaries	Paid for Salaries	Travelling Expenses	Grants for Expenses	TOTAL PAID
			$ c.	$ c.	$ c.	$ c.	$ c.
Lumbermen's Safety Association	1	R. F. Milne	2,400 00 a year	2,400 00	Included in grants	9,500 00	11,900 00
The Ontario Pulp and Paper Makers' Safety Association	2	A. P. Costigane	250 00 a month	3,000 00	Included in grants	2,400 00	5,400 00
Industrial Accident Prevention Associations	3	F. G. Lovett	190 00 a month	2,280 00	1,117 15		
	4	S. Twist		2,280 00	990 72		
	6	D. J. Hay		2,280 00	712 70		
	7	A. Duncan	190 00 a month to Jan. 31	190 00	—84 90 ($100 accountable warrant returned Jan. 28/25)		
	8						
	9						
	10						
	11						
	12	J. W. MacFarlane	2,100 00 a year to April 1, $2,280 a year thereafter				
	14						
	15			2,235 00	920 25		
	16	Wm. Sutherland	1,900 00 a year to May 1, $2,100 a year thereafter				
	17			2,033 33	1,233 50		
	18						
	19	F. F. Arnold	1,800 00 a year to May 1, $2,000 a year thereafter	1,933 34	509 36		
		W. H. Cox	1,800 00 a year to Feb. 1, $1,900 a year thereafter	1,891 67	1,167 54		
		H. Mabson	1,600 00 a year from January 5	1,582 80	530 00	50,000 00	73,802 46
Electrical Employers' Association of Ontario	22	Wills Maclachlan	3,000 00 a year	3,000 00	Included in grants	3,000 00	6,000 00
				25,106 14	7,096 32	64,900 00	97,102 46

TABLE 8

ANALYSIS OF ADMINISTRATION EXPENSES DURING 1925

Salaries of Staff	$174,926 48	
Travelling Expenses of Board and Staff	10,084 49	
Printing, Stationery, and Office Supplies	17,980 13	
Postage and Excise Tax	24,819 45	
Telephone, Telegrams, and Express	810 13	
Legal Expenses, Witness Fees, etc	1,418 86	
Medical Examinations, X-ray Supplies, etc	613 98	
Workmen's Travelling Expenses	399 76	
Assessors' Returns	1,238 50	
Insurance and Security Service	2,002 50	
Auditors' Services—under instructions of Attorney-General	2,475 00	
Rent of Premises and Caretaking	21,791 52	
Permanent Office Equipment	6,870 54	
Moving Expenses	4,137 33	
Sundry Expenses	18 56	
Total Administration Expenses, 1925	$269,587 23	
Less Charged to Dominion of Canada	18,834 90	
		$250,752 33
Charged to Province of Ontario	$2,102 71	
Charged to Schedule 2 Employers	22,725 93	
Charged to Schedule 1 Employers	225,923 69	
		$250,752 33

TABLE 9

SALARIES OP STAFF, WITH NAMES AND POSITIONS, 31st DECEMBER, 1925

Name	Position	Salary
N. B. Wormith	Secretary	$5,250 00 per year
Dr. W. E. Struthers	Medical Officer	5,050 00 " "
Dr. D. E. Bell	" "	5,000 00 " "
T. N. Dean	Statistician	4,750 00 " "
Dr. J. M. Bremner	Medical Officer	4,250 00 " "
F. W. Graham	Claims Officer	3,750 00 " "
L. M. Miller	Medical Aid Officer	3,250 00 " "
R. W. Dance	Assistant Secretary	3,200 00 " "
J. W. Tucker	Assistant Claims Officer	2,900 00 " "
Harold Pryce	Assessment Officer	2,850 00 " "
H. F. Hall	Pay Roll Auditor	2,750 00 " "
George J. Beach	Accountant	2,700 00 " "
W. C. Bayly	Pay Roll Auditor	2,650 00 " "
G. N. Whiteside	" " "	2,650 00 " "
John Scott	Collector	2,650 00 " "
W. B. Terry	Cashier	2,650 00 " "
Dalton J. Little	Claimant's Interviewer	2,600 00 " "
F. A. McNamara	Pay Roll Auditor	2,550 00 " "
E. E. Starr	" " "	2,550 00 " "
E. P. Dowdall	Assistant Claims Officer	2,500 00 " "
John J. Hayward	Assistant to Medical Officer	2,450 00 " "
W. B. Cross	Assistant Statistician	2,400 00 " "
Samuel Holland	Assistant Medical Aid Officer	2,320 00 " "
J. D. Hunter	Bookkeeper	2,250 00 " "
Sydney R. Johnston	Assistant Claims Officer	2,250 00 " "
Chas. G. Cameron	Assistant Medical Aid Officer	2,250 00 " "
O. L. Redfern	Audit Clerk	2,220 00 " "
L. K. Knowles	Claims Assistant	2,200 00 " "
A. Howard Leggo	Pay Roll Auditor	2,100 00 " "
F. G. Waters	Claims Assistant	2,050 00 " "

TABLE 9—Continued

Name	Position	Salary
Eric M. Coates	Assistant Cashier	$1,900 00 per year
Edna Pack	Chairman's Secretary	1,700 00 " "
Ivor H. Johnston	Assessment Clerk	1,650 00 " "
Ethel McFarlane	Commissioner's Stenographer and Clerk	1,600 00 " "
Wilbert Clayton	Statistical Clerk	1,500 00 " "
Sara MacPherson	Stenographer and Clerk	112 50 " month
Mrs. E. McKinnon	" " "	112 50 " "
Mrs. A. V. Somers	Enquiry and Switchboard	112 50 " "
Etta Bell	Stenographer and Clerk	110 00 " "
Anne Fyfe	" " "	110 00 " "
Mary J. Day	Summary Sheet Clerk	107 50 " "
Marjorie Covey	Stenographer and Clerk	107 50 " "
I. F. Acheson	Order Sheet Clerk	105 00 " "
Kathleen Gordon	Claims Computing Clerk	102 50 " "
Beulah Stewart	File Clerk	100 00 " "
Hilda Lewis	Summary Sheet Clerk	100 00 " "
Cora Fetherston	Firm Search Clerk	100 00 " "
Violet Miles	Claims Assembly Clerk	97 50 " "
Margaret Torry	Stenographer and Clerk	95 00 " "
Bessie Covey	Bookkeeper	95 00 " "
Winnifred Brabant	Computing Clerk	95 00 " "
Margaret Nicholl	Clerk	92 50 " "
Frances Rickey	Accident Card Clerk	92 50 " "
Georgina Deans	Order Sheet Clerk	92 50 " "
Valeria Johnston	Stenographer and Clerk	90 00 " "
Mary Slattery	Claims Computing Clerk	90 00 " "
Marguerite Gibson	Stenographer	90 00 " "
Barbara Skene	"	90 00 " "
Iris Allcock	"	90 00 " "
Dorothy Hamnett	"	87 50 " "
Eva Holland	File Clerk	87 50 " "
Phyllis Barker	Stenographer and Clerk	87 50 " "
Fred Fincham	Bookkeeper	87 50 " "
Leta M. Metcalfe	Claims Computing Clerk	87 50 " "
Beatrice MacGillivray	" " "	87 50 " "
Muriel Stewart	Stenographer and Clerk	87 50 " "
Marjorie E. Keyte	" " "	87 50 " "
Doris Whiteford	" " "	85 00 " "
Mae Lewis	File Clerk	82 50 " "
Alice Holt	Stenographer	82 50 " "
Mildred Thompson	File Clerk	80 00 " "
Lillian R. White	Stenographer	78 00 " "
Mary Wilson	"	78 00 " "
Myrtle Simpson	Clerk	77 50 " "
Nora Murray	Typist and Clerk	75 00 " "
Harriett Miles	Clerk	75 00 " "
E. Audrey Stewart	Claim Index Clerk	75 00 " "
Beatrice Thomas	Mail Clerk	75 00 " "
Evelyn C. Morrissey	Claim Index Clerk	75 00 " "
Miriam Hall	Typist	72 50 " "
Wilhelmine Robinson	"	72 50 " "
Myrtle Watkins	Summary Sheet Clerk	72 50 " "
Hazel Leatherdale	Bookkeeper	70 00 " "
Mary Dobell	Medical Officers' Clerk	70 00 " "
Jean Kelly	Typist and Clerk	70 00 " "
Olive Hyland	File Clerk	65 00 " "
Rita B. Murphy	" "	65 00 " "
Rachel Boaz	Typist	65 00 " "
Edith Mumford	"	65 00 " "
Rena Henderson	Firm Record Clerk	65 00 " "

CHAPTER IV

CONDITION OF FUNDS

A general statement of the condition of the funds in Schedule 1 and in Schedule 2 is contained in Table 10, and particulars of the various funds and of the Board's investments are given in Tables 11 to 14. A summary since the commencement of the Act will be found in the Appendix.

Schedule 1 Funds

The Schedule 1 funds are known and referred to in the Act as the "Accident Fund." They comprise, in addition to current funds out of which temporary payments of compensation, medical aid, and administration expenses are paid, the Pension Fund, Disaster Reserve, and Compensation Deferred. The standing of the Accident Fund, showing assets and liabilities, at December 31, 1925, is shown in Table 10. The balance of assets in excess of liabilities at that date was $537,136.33, being $265,610.03 Disaster Reserve, $156,752.23 accrued interest on investments and $114,774.07 balance at credit of classes December 31, 1925. This is exclusive of office furniture and equipment mentioned in Chapter III.

Pension Fund

The Pension Fund, representing the outstanding pension liability, comprises the largest part of the funds standing to the credit of Schedule 1. The purpose of the Pension Fund is to take care of future payments of pensions which have already been awarded. Actuarial tables (published as an appendix to the Report for 1922), embodying the contingencies of death and remarriage, have been compiled to show for each age and kind of pension the average amount (sometimes referred to as capitalized value) necessary to complete pension payments. When a pension is awarded this average amount is transferred from current funds to the Pension Fund. All payments of pensions are made from the Pension Fund. Since the amount transferred in any one instance is the average amount required, no re-transfer is made should a residue be left at the expiry of the pension, nor is any additional transfer made should the amount be exhausted before expiry of the pension.

Re-transfer from Pension Fund

During the years 1923 and 1924 an actuarial survey of the Board's pension experience and revaluation of the pension liability was made, all existing pensions being revalued. As a result the Pension Fund was found to be a little in excess of what the experience indicated to be necessary. As at date of January 1, 1924, a re-transfer of $600,000 was accordingly made from the Pension Fund to current funds, being distributed among the different classes of industry in proportion to the amount of Pension Fund to the credit of each class.

As of date October 31, 1925, actuarial revaluation of all outstanding pension fund obligations was made, the Board's actuarial tables being used. To the liability for each class thus ascertained was added a surcharge of two per cent. to allow for possible divergence of actual from expected mortality. Deduction was made of the surcharged liability in total for all the classes from the balance in the Pension Fund and the difference was re-transferred to the current funds, proportioned to each class according to the balance in the Pension Fund. The amounts transferred to current funds by classes, and the total amount, follow:

Amounts Transferred to Current Funds from Pension Fund as a Result of Actuarial Revaluation, October 31, 1925

Class	Amount	Class	Amount
1	$52,957 70	13	$9,785 97
2	23,686 60	14	5,089 17
3	6,156 61	15	16,588 10
4	16,844 83	16	10,550 42
5	48,752 22	17	11,884 43
6	17,888 28	18	1,899 43
7	15,468 91	19	6,592 85
8	10,204 10	20	7,595 15
9	21,243 87	21	13,220 28
10	27,177 84	22	7,347 08
11	17,133 68	23	22,087 75
12	15,283 91	24	41,775 44
Total			$427,214 62

Particulars of Pension Fund

Table 11 gives particulars of the Pension Fund for each class. The balance in the fund at the commencement of 1925 was $12,433,286.63; $427,214.62 was re-transferred to current funds as mentioned in the last paragraph; $1,572,919.00 was transferred during the year for pension awards; $640,468.25 interest (at the rate of five per cent. per annum compounded half-yearly, which is the basis used in computing capitalized values of pensions) was added; and $1,137,042.42 was paid for pensions. The balance in the fund at the end of the year was $13,082,416.84.

Disaster Reserve

The Disaster Reserve is a fund set aside under the provisions of Section 88 (2) of the Act to meet any unforeseen disaster or other circumstance which might unduly burden the employers in any class of industry. The fund was accumulated by a transfer of one per cent. of the gross assessments up to the end of 1922, since that time no transfer being made, the fund being considered sufficient for its purpose. These are the only moneys set aside or held by the Board which do not directly cover liabilities actually incurred by reason of accidents which have already happened.

The standing of the Disaster Reserve is shown in Table 12. The balance at the end of 1925 was $265,610.03, $13,846.97 interest for the year being added to the balance of $251,763.06 in the fund at the beginning of the year.

Compensation Deferred

The funds included under "Compensation Deferred" comprise compensation moneys held at interest for claimants in Schedule 1, payment being deferred to a future time by reason of the claimant being a minor or for other reason. The condition of the fund is shown in Table 13. At the beginning of the year the amount in the fund was $141,208.76; deferred awards during the year amounted to $38,205.00, and $6,763.55 interest was added during the year; the payments during the year amounted to $56,489.42, of which $48,633.00 was for principal and $7,856.42 for interest, leaving a balance of $129,687.89 at the end of the year.

Investments

Particulars of the Board's investments are given in Table 14.

The total invested at the end of the year in Schedule 1 was $14,853,217.23, consisting of $13,502,899.00 value of investments at the beginning of the year, $2,404,687.17 invested during the year, $156,752.23 accrued interest (earned but not received), less $1,211,121.17 principal returned.

Particulars of each investment are shown in the list, including kind of investment, particular security, yield of interest, term, par value, book value, and accrued interest.

With the exception of short-date deposits of current funds intended for use before the current year's assessments are received, all investments consist of Province of Ontario bonds, municipal or municipally-guaranteed debentures, and Dominion of Canada War Loans.

The average rate of interest received on permanent investments in Schedule 1 during 1925 was approximately 5.50 per cent., as compared with 5.86 per cent. received during 1924, and 5.93 per cent. received during 1923. Three per cent. is received on current bank balances.

Schedule 2 Funds

The funds handled by the Board in respect of Schedule 2 industries include employers' deposits for pensions required to be made with the Board under the provisions of Section 28 of the Act, temporary deposits or advances of money made by employers under Section 31a to facilitate prompt payment of claims, and claimants' moneys held by the Board in cases of awards payment of which by reason of the claimant being a minor or for other reason is deferred to a future time.

The standing of Schedule 2 Funds at December 31, 1925, is shown in the latter part of Table 10, and the particulars and a list of Schedule 2 investments are given in Table 14.

At the end of 1925 the deposits held under Section 28 amounted to $3,451,445.49, deposits under section 31a to $49,550.33, the amount of claimants' moneys held by the Board was $48,286.81, and the accrued interest on investments, not received or apportioned, amounted to $35,152.68, making a total of $3,584,435.31, of which $3,512,070.47 was held in permanent investments, $37,212.16 was on deposit in the Imperial Bank (and $35,152.68 was interest accrued on investments but not yet payable).

The rate of interest on Schedule 2 Funds during 1925 was 5.94 per cent., as compared with 5.98 per cent. during 1924, and 6.02 per cent. during 1923.

TABLE 10

STANDING SCHEDULE 1 ACCIDENT FUND AS AT DECEMBER 31, 1925

ASSETS			LIABILITIES		
Cash in Banks:			Compensation Deferred, other than pensions		$129,687 89
Dominion Bank	$107,519 44		Pension Liability		13,082,416 84
Royal Bank	3,071 33		Compensation estimated outstanding		1,436,698 06
Standard Bank	161 72		Medical Aid estimated outstanding		198,571 68
		$110,752 49	Overpayment from Schedule 2 Employers for Administration Expenses—to be refunded		12
Short Date Deposits		900,000 00			
Investments		13,796,465 00			
Accrued Interest on Investments		156,752 23			
Due from Schedule 2 employers for Administration Expenses paid out of Schedule 1 Funds		23,050 88	Assets in excess of Liabilities:		
Due from Dominion of Canada for Administration Expenses paid out of Schedule 1 Funds		18,834 90	Disaster Reserve	$265,610 03	
Due from Province of Ontario for Administration Expenses paid out of Schedule 1 Funds		2,102 71	Accrued Interest on Investments	156,752 23	
Assessments estimated to be due on adjustment of 1925 pay rolls (see Table 1)		376,552 71		422,362 26	
			Balance at Credit of Classes (Table 1)	114,774 07	
					537,136 33
		$15,384,510 92			$15,384,510 92

STANDING SCHEDULE 2 FUNDS AS AT DECEMBER 31, 1925

Cash in Imperial Bank		$37,212 16	Balance Employers' Deposits, under Section 28	$3,451,445 49
Investments		3,512,070 47	Balance Employers' Deposits, under Section 31a	49,550 33
Accrued Interest on Investments		35,152 68	Claimants' Moneys held by Board	48,286 81
			Accrued Interest on Investments not received or apportioned	35,152 68
		$3,584,435 31		$3,584,435 31

TABLE 11

PENSION FUND, SCHEDULE 1, BY CLASSES, DECEMBER 31, 1925

Class	Balance Forward from 1924	Pension Awards during 1925	Interest Received	Pension Payments	Balance as at Dec. 31, 1925	Adjustment on Actuarial Revaluation	Balance as at Jan. 1, 1926	Class
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	
1	1,453,747 27	246,634 00	76,350 34	137,818 70	1,638,912 91	17,211 18	1,621,701 73	1
2	712,977 27	75,818 00	36,420 43	62,940 85	762,274 85	36,929 95	725,344 90	2
3	181,267 42	24,843 00	9,305 28	19,761 77	195,653 93	7,122 73	188,531 20	3
4	504,436 00	56,591 00	25,823 47	45,276 35	541,574 12	25,741 83	515,832 29	4
5	1,367,249 41	225,092 36	71,802 75	122,939 45	1,541,205 07	48,286 03	1,492,919 04	5
6	542,428 82	65,432 79	27,823 39	51,094 62	584,590 38	36,804 83	547,785 55	6
7	499,297 37	58,367 58	25,699 56	41,670 91	541,693 60	67,995 51	473,698 09	7
8	288,718 07	21,179 00	14,457 96	27,436 46	296,918 57	—15,556 98	312,475 55	8
9	644,437 75	24,980 92	31,795 36	57,743 59	643,470 44	—7,071 83	650,542 27	9
10	804,941 31	62,992 41	40,619 19	68,166 41	840,386 50	8,130 61	832,255 89	10
11	480,936 74	69,416 00	24,993 59	43,888 40	531,457 93	6,780 39	524,677 54	11
12	484,900 86	22,814 28	24,014 95	43,877 12	487,852 97	19,820 16	468,032 81	12
13	316,657 87	10,843 00	15,566 95	29,168 16	313,899 66	14,227 78	299,671 88	13
14	161,162 15	16,889 00	8,224 38	14,299 54	171,975 99	16,132 28	155,843 71	14
15	473,641 41	59,191 74	24,328 59	45,345 01	511,816 73	3,846 20	507,970 53	15
16	288,391 12	39,429 00	14,964 19	25,033 18	317,751 13	—5,330 09	323,081 22	16
17	377,978 51	23,997 00	18,914 09	32,730 63	388,158 97	24,226 83	363,932 14	17
18	57,472 09	1,834 00	2,834 81	4,785 66	57,355 24	—810 36	58,165 60	18
19	196,602 71	14,695 00	9,958 18	14,490 79	206,765 10	4,874 98	201,890 12	19
20	225,953 18	24,878 00	11,406 41	26,160 82	236,076 77	3,493 65	232,583 12	20
21	309,679 83	104,416 82	17,513 33	31,891 91	399,718 07	—5,121 13	404,839 20	21
22	244,116 32	20,173 00	12,282 82	23,158 34	253,413 80	28,427 13	224,986 67	22
23	587,138 26	122,410 28	31,480 27	53,021 78	688,007 03	11,622 94	676,384 09	23
24	1,229,154 89	180,000 82	63,887 96	114,341 97	1,358,701 70	79,430 00	1,279,271 70	24
All	12,433,286 63	1,572,919 00	640,468 25	1,137,042 42	13,509,631 46	427,214 62*	13,082,416 84	

*This amount was transferred out of the Fund because actuarial revaluation of the pension liability showed a surplus in the Fund.

TABLE 12

DISASTER RESERVE, DECEMBER 31, 1925

Disaster Reserve as at December 31, 1924	$251,763 06
Interest added in 1925	13,846 97
Amount as at December 31, 1925	$265,610 03

TABLE 13

COMPENSATION DEFERRED, DECEMBER 31, 1925

Balance in fund, December 31, 1924		$141,208 76
Compensation awarded, payment deferred, during 1925		38,205 00
Interest credited for 1925		6,763 55
		$186,177 31
Paid Claimants during 1925:		
Principal	$48,633 00	
Interest	7,856 42	
		56,489 42
Balance December 31, 1925		$129,687 89

TABLE 14

INVESTMENTS, DECEMBER 31, 1925

Schedule 1

Book Value of Investments, January 1, 1925	$13,502,899 00
Invested during year	2,404,687 17
	15,907,586 17
Less Principal returned	1,211,121 17
Book Value of Investments, December 31, 1925, Principal	14,696,465 00
Plus Accrued Interest to December 31, 1925	156,752 23
Total Book Value of Investments, December 31, 1925	$14,853,217 23

Schedule 2

Book Value of Investments, January 1, 1925	$3,359,443 00
Invested during year	155,753 32
	3,515,196 32
Less Principal returned	3,125 85
Book Value of Investments, December 31, 1925, Principal	3,512,070 47
Plus Accrued Interest to December 31, 1925	35,152 68
Total Book Value of Investments, December 31, 1925	$3,547,223 15

LIST OF INVESTMENTS

SCHEDULE 1 FUNDS

Municipal Debentures

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Book Value $ c.	Accrued Interest $ c.
Amherstburg	5.50	1926–1938	19,295 44	19,871 66	49 43
Arthur	5.50	1926–1928	579 65	574 25	1 48
Arthur	5.50	1926–1930	1,282 98	1,247 44	5 75
Belleville	6.25	May 15, 1941	65,000 00	63,403 16	491 51
Belleville	5.35	Jan. 2, 1942	14,000 00	14,969 57	.....
Belleville	5.35	Apr. 5, 1942	13,000 00	13,918 00	185 92
Belleville	5.30	May 1, 1952	120,000 00	123,399 07	1,103 02
Belleville	5.30	1947–1949	20,000 00	19,218 31	167 12
Brampton	5.50	1926–1934	12,195 18	12,465 01	31 23
Brampton	5.50	1926–1944	2,805 29	2,585 73	5 87
Brantford	6.25	Dec. 31, 1942	10,000 00	8,183 72	.....
Brantford	6.20	1926–1939	87,500 00	84,061 76	.....
Brantford	5.972	1937–1947	52,200 00	52,352 03	.....
Carleton Place	5.50	1930–1941	14,659 99	14,659 99	37 55
Cobourg	5.30	Jan. 1, 1934	6,000 00	5,878 04	.....
Cornwall	5.20	1944–1953	51,862 79	53,956 10	1,437 95
Creemore	5.375	1926–1934	3,854 44	3,961 49	77 28
Dundas	5.375	1926–1946	21,115 04	21,335 04	388 15
East York, Twp	5.446	1940–1965	172,187 29	161,154 22	1,438 81
East York, Twp	5.448	1940–1965	72,105 65	67,486 71	306 20
Essex	5.50	1926–1934	4,839 42	4,733 07	162 39
Etobicoke	5.017	1946–1949	45,000 00	49,167 46	1,356 17
Fort William	5.75	Feb. 1, 1944	25,000 00	22,883 42	523 97
Fort William	6.40	May 1, 1950	10,000 00	9,507 91	100 27
Fort William	5.125	Apr. 1, 1955	55,000 00	53,962 60	685 62
Galt	5.622	Oct. 30, 1940	42,000 00	37,269 75	321 04
Galt	5.65	Dec. 6, 1961	19,284 69	18,375 35	70 50
Galt	5.30	1934–1943	83,374 04	84,963 75	3,844 33
Galt	5.20	Dec. 1, 1962	68,400 36	71,756 12	319 50
Galt	5.20	Dec. 1, 1962	14,135 90	15,985 25	72 03
Galt	4.95	Dec. 15, 1964	14,097 18	15,430 89	36 10
Galt	5.05	July 2, 1965	35,254 75	37,958 11	.....
Glencoe	6.75	1926–1940	15,118 77	13,937 82	626 50
Grey, Co	5.24	Aug. 1, 1945	75,000 00	73,644 93	1,571 92
Guelph	5.18	June 30, 1935	30,000 00	28,477 11	.....
Guelph	6.	1940–1944	13,287 11	12,596 79	368 39
Guelph	5.183	June 30, 1942	75,000 00	73,489 61	.....
Guelph	5.40	Dec. 31, 1936	62,431 10	62,944 49	.....
Guelph	5.20	June 30, 1938	20,000 00	19,645 15	.....
Guelph	4.914	June 30, 1942	50,000 00	50,481 33	.....
Hamilton	5.20	Apr. 1, 1934	40,000 00	38,104 67	453 70
Hamilton	5.875	1935–1937	8,740 84	8,147 00	37 11
Hamilton	5.875	1935–1937	93,496 15	87,144 18	781 26
Hamilton	6.034	1928–1929	24,000 00	23,356 83	200 55
Hamilton	6.	May 1, 1934	35,000 00	31,543 45	263 22
Hamilton	6.05	1927–1928	82,198 33	82,122 88	824 23
Hamilton	5.345	1934–1937	99,904 55	101,085 36	2,303 26
Hamilton	5.364	1926–1931	100,784 03	101,150 95	2,323 55
Hamilton	5.375	Feb. 1, 1932 & 1939	5,536 91	5,598 68	127 65
Hamilton	5.925	1934–1939	101,821 65	94,019 46	850 83
Hamilton	6.	1932–1940	93,849 28	93,849 28	941 06
Hamilton	6.50	Apr. 1, 1930	19,000 00	17,173 43	191 56
Hamilton	5.90	1931–1941	200,237 75	201,870 74	4,015 75
Hamilton	5.45	1937–1938	40,000 00	41,976 59	604 93
Hamilton	5.50	Dec. 1, 1935	19,163 69	19,894 49	97 65
Hamilton	5.50	Feb. 1, 1936	7,000 00	7,276 57	176 05
Hamilton	5.50	Feb. 1, 1935	23,247 78	24,098 85	584 68
Hamilton	4.95	1933–1942	150,000 00	157,829 34	3,458 22
Hamilton	5.749	1941–1945	44,000 00	40,487 67	554 52
Hamilton	5.714	1938–1945	190,000 00	168,218 91	3,584 00
Hamilton	5.554	1938–1945	77,000 00	69,147 74	1,442 96
Hastings	5.50	1931–1935	4,948 17	4,780 41	21 00

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Book Value $ c.	Accrued Interest $ c.
Hawkesbury	7.25	1928–1940	73,322 59	67.263 25	4,037 73
Hawkesbury	7.25	1928–1931	4,935 73	4,706 20	123 30
Hespeler	5.50	1926–1934	14,543 87	14,543 87	201 61
Kingston	6.10	1935–1948	4,600 00	4,555 97	46 12
Kingston	6.125	Jan. 1, 1930	50,000 00	49,781 42	.....
Kingston	6.125	1931–1945	52,400 00	51,826 44	.....
Kingston	5.30	Jan. 1, 1942	35,000 00	35,747 55	.....
Kingsville	6.625	1930–1941	44,427 40	44,006 35	1,695 08
Kitchener	5.25	1943–1951	47,682 18	49,198 43	222 73
Kitchener	5.75	1926–1934	6,768 26	6,723 47	78 51
Kitchener	5.75	Apr. 15, 1926	476 78	475 29	18 68
Kitchener	5.25	1943–1952	28,490 33	29,403 41	390 65
Kitchener	5.75	1926–1946	1,103 40	1,080 18	12 80
Kitchener	6.125	1926–1932	6,824 50	6,543 62	57 02
Leamington	5.875	1926–1932	10,355 61	10,401 91	468 14
Lincoln	5.50	June 10, 1936	36,000 00	36,000 00	1,106 63
Lincoln	6.10	June 30, 1927	11,000 00	10,878 32	304 99
Lindsay	5.40	Jan. 1, 1935	14,681 07	14,784 53	.....
Listowel	5.875	1926–1947	17,314 28	16,751 98	399 20
London	5.523	Aug. 3, 1939	24,000 00	20,469 99	397 15
London	5.50	1937–1938	11,000 00	10,030 36	.....
London	5.40	Aug. 3, 1939	39,000 00	33,686 80	645 37
London	6.538	June 30, 1942	25,000 00	19,276 61	3 05
London	6.30	1932–1939	200,618 93	196,318 49	33 08
London	5.85	June 30, 1942	50,000 00	41,607 28	6 10
London	5.85	Jan. 1, 1944	50,000 00	45,314 52	.....
London	5.35	1940–1941	15,000 00	15,236 52	2 26
London	5.40	1934–1936	28,040 29	28,254 97	4 23
London	5.35	1937–1941	75,000 00	76,086 96	11 30
London	5.25	1934–1940	103,623 46	105,863 43	1,904 96
London	5.23	Aug. 3, 1939	20,000 00	17,580 59	330 96
London	4.953	June 30, 1945	25,000 00	25,145 75	3 42
London	4.955	1938–1942	45,000 00	45,215 79	.....
London	4.955	1939–1945	26,000 00	26,127 39	.....
Newmarket	5.50	Sept. 4, 1926	1,320 32	1,314 09	21 04
Niagara Falls	6.25	1930–1936	33,290 44	30,821 04	1,254 07
Niagara Falls	6.60	1938–1945	50,548 31	42,759 24	1,904 19
Niagara Falls	6.50	1934–1941	59,553 83	57,039 33	1,801 30
Niagara Falls	5.318	1940–1953	54,098 50	55,356 50	1,744 48
Niagara Falls	5.32	1938–1952	16,139 50	15,515 78	73 89
North Bay	6.	1926–1942	3,885 18	3,690 20	89 93
North Bay	5.70	1937–1942	76,276 50	78,500 60	3,071 93
North Toronto (City of Toronto)	6.05	1935–1942	20,246 58	17,438 83	64 89
Oakville	5.50	1926–1935	4,747 44	4,861 79	71 78
Oakville	6.625	1926–1928	2,758 79	2,727 32	34 46
Oakville	6.625	1926–1932	8,569 85	8,383 21	54 94
Orillia	5.40	1926–1934	25,523 59	25,098 63	272 70
Oshawa	6.75	1926–1935	59,673 33	57,609 00	451 22
Oshawa	6.40	1945–1951	45,133 48	43,004 41	2,270 24
Oshawa	6.45	May 1, 1930	5,000 00	4,906 48	201 37
Oshawa	7.	1927–1932	20,279 32	19,667 84	813 30
Oshawa	5.40	1930–1936	26,207 92	26,385 65	.....
Oshawa	5.375	June 1, 1938	6,068 02	5,858 71	177 88
Oshawa	5.322	1939–1943	78,000 00	75,329 88	2,286 58
Ottawa	5.045	Jan. 1, 1934	100,000 00	96,439 74	.....
Ottawa	5.522	1931–1941	39,906 66	34,349 51	.....
Ottawa	6.	1926–1937	72,252 49	70,101 24	.....
Ottawa	5.25	1932–1945	118,766 39	121,606 73	.....
Ottawa	5.25	July 1, 1929	15,000 00	14,881 15	.....
Ottawa	6.12	July 1, 1939	10,800 00	8,708 74	.....
Ottawa	6.13	Jan. 9, 1933	25,000 00	22,565 52	539 39
Ottawa	6.10	1937–1938	66,762 58	60,571 84	.....
Ottawa	5.726	July 1, 1946	100,000 00	91,319 88	.....
Oxford	6.25	1933–1936	9,963 03	9,089 33	292 05

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Book Value $ c.	Accrued Interest $ c.
Owen Sound	5.20	Feb. 1, 1943	25,000 00	25,854 27	576 37
Owen Sound	4.95	Apr. 1, 1945	100,000 00	100,625 72	1,260 27
Parry Sound	6.50	1931–1944	30,690 22	29,601 21	771 87
Parry Sound	7.125	1937–1950	50,235 30	44,406 00	1,263 44
Peel	5.554	1926–1927	8,247 35	8,244 88	247 28
Pembroke	5.	1946–1954	75,025 53	75,705 80	2,199 36
Penetanguishene	5.50	1926–1928	2,185 33	2,165 31	36 51
Perth	5.50	1926–1934	3,199 65	3,199 72	5 78
Perth	5.50	1926–1943	3,177 20	3,056 65	13 48
Perth	5.50	1926–1944	397 85	382 16	1 68
Perth	5.50	1926–1934	368 80	360 69	1 65
Perth	5.50	1926–1933	897 99	880 10	3 80
Peterborough	5.40	Dec. 31, 1935	12,000 00	12,088 93	.....
Peterborough	5.184	June 30, 1946	50,000 00	48,849 12	.....
Peterborough	6.10	Dec. 31, 1946	15,000 00	13,059 88	.....
Peterborough	6.205	June 30, 1950	155,000 00	151,032 24	25 48
Peterborough	6.25	Dec. 31, 1940	50,000 00	50,000 00	.....
Port Arthur	5.75	Jan. 1, 1934	25,000 00	23,811 58	.....
Port Arthur	6.625	Jan. 1, 1942	11,193 32	9,417 57	.....
Port Arthur	6.595	June 1, 1940	100,000 00	94,499 12	509 59
Port Arthur	6.80	Jan. 1, 1943	17,520 00	14,370 60	.....
Port Arthur	6.95	Jan. 1, 1932	9,246 66	8,153 79	.....
Port Arthur	7.05	July 1, 1932	7,786 66	6,958 39	.....
Preston	6.50	1928–1937	14,760 66	13,926 11	709 50
Preston	5.339	1926–1928	2,972 28	3,004 50	82 56
Renfrew	5.75	1926–1935	9,224 27	9,337 70	51 54
Renfrew	5.85	1926–1947	9,770 75	9,892 01	433 67
Richmond Hill	5.50	1926–1944	7,986 77	7,986 77	368 27
St. Catharines	5.50	July 13, 1929	25,000 00	24,557 28	585 62
St. Catharines	5.385	Dec. 29, 1945	50,000 00	47,662 50	13 70
St. Catharines	5.50	1926–1936	50,707 17	49,441 24	6 93
St. Catharines	6.375	1926–1927	7,782 17	7,694 13	.....
St. Catharines	6.312	1926–1940	37,500 00	37,893 43	.....
St. Catharines	6.321	1926–1940	43,500 00	43,328 81	.....
St. Catharines	5.45	1934–1942	24,750 00	25,959 87	248 18
St. Marys	5.50	Oct. 31, 1943	4,870 30	4,605 05	.....
St. Marys	5.50	Jan. 1, 1944	2,500 00	2,359 37	.....
St. Marys	5.50	May 1, 1933	17,000 00	16,460 77	570 55
St. Thomas	6.38	1937–1951	129,562 40	124,181 78	3,258 56
St. Thomas	6.38	1938–1939	3,387 15	3,115 11	3 57
St. Thomas	5.40	1934–1937	70,000 00	73,221 56	483 29
St. Thomas	5.15	1949–1953	25,000 00	24,469 72	58 22
St. Thomas	5.20	1934–1949	39,000 00	38,128 27	90 82
Sandwich	5.625	1926–1935	5,701 80	5,804 53	313 05
Sandwich	6.625	1928–1943	21,580 60	20,525 85	815 89
Sandwich	6.549	1938–1940	6,774 32	6,439 86	18 92
Sandwich	6.546	1931–1949	43,418 33	41,161 95	656 61
Sarnia	5.40	Dec. 31, 1926	1,238 52	1,236 69	.....
Sarnia	5.375	Dec. 31, 1926	4,748 87	4,779 22	.....
Sarnia	6.50	1926–1939	12,727 64	12,126 45	.....
Sarnia	6.60	1932–1935	35,000 00	32,603 57	.....
Sault Ste. Marie	5.50	Mar. 25, 1949	24,771 50	26,392 13	394 97
Sault Ste. Marie	6.405	Apr. 1, 1950	45,000 00	39,997 71	623 84
Sault Ste. Marie	6.555	Mar. 1, 1935	100,000 00	96,120 40	2,005 48
Simcoe	5.50	1926–1945	13,439 60	13,885 82	37 55
Smith's Falls	5.50	1926–1944	13,457 01	13,457 01	620 49
Smith's Falls	5.50	1926–1931	10,326 48	10,326 48	332 96
Smith's Falls	5.50	1926–1946	16,238 31	16,943 85	653 96
Smith's Falls	5.50	1926–1936	1,564 29	1,605 15	47 30
Smith's Falls	5.775	1926–1937	4,178 69	4,111 06	154 23
Smith's Falls	5.776	1926–1947	13,493 31	13,166 81	498 12
Smith's Falls	5.022	1940–1945	64,306 49	64,394 06	2,158 21
Stratford	5.50	Jan. 1, 1934	3,000 00	2,904 97	.....
Stratford	5.50	Jan. 1, 1945	25,000 00	23,548 82	.....
Stratford	5.50	Jan. 1, 1945	15,000 00	14,128 28	.....

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Book Value $ c.	Accrued Interest $ c.
Stratford	5.50	Jan. 1, 1945	10,000 00	9,419 54	.....
Stratford	5.625	Jan. 1, 1945	13,000 00	12,062 43	.....
Stratford	6.25	Jan. 1, 1951	40,000 00	38,739 48	.....
Stratford	5.40	Jan. 1, 1942	124,000 00	131,903 66	.....
Stratford	5.40	Jan. 1, 1942	50,000 00	50,528 22	.....
Stratford	5.401	1937–1952	83,000 00	83,740 29	.....
Stratford	4.95	June 15, 1935	143,000 00	143,793 63	3,917 81
Stratford	4.95	June 15, 1940	7,000 00	7,048 23	191 78
Stratford	4.95	June 15, 1955	30,000 00	30,284 10	821 92
Sudbury	5.75	1933–1935	25,263 80	24,073 75	.....
Sudbury	7.	1930–1937	32,897 38	28,748 36	1,378 96
Tillsonburg	5.50	Mar. 20, 1945	975.00	975 00	42 16
Tillsonburg	5.50	1926–1944	1,197 99	1,197 99	51 80
Tillsonburg	5.50	1926–1935	3,090 65	3,090 65	133 63
Tillsonburg	5.50	1926–1935	1,545 32	1,545 32	66 80
Toronto	6.	1932–1933	50,000 00	47,171 91	.....
Toronto	6.027	1927–1938	32,000 00	30,241 91	.....
Toronto	6.031	July 1, 1930	28,000 00	26,881 18	.....
Toronto	6.015	July 1, 1931	30,000 00	28,594 46	.....
Toronto	6.	1932–1937	41,000 00	39,584 49	.....
Toronto	6.	1940–1943	60,000 00	53,891 41	254 79
Toronto	5.322	1935–1937	100,000 00	101,379 48	.....
Toronto	5.30	July 1, 1948	4,866 66	4,040 72	.....
Toronto	5.25	July 1, 1942	10,000 00	9,726 74	.....
Toronto	6.25	1926–1927	31,000 00	30,782 01	429 75
Toronto	6.25	1926–1927	11,000 00	10,880 24	202 22
Toronto	6.25	Dec. 1, 1926	3,000 00	2,978 51	14 01
Toronto	6.25	1926–1927	9,000 00	8,935 48	.....
Toronto	6.049	1937–1939	16,000 00	15,247 94	294 14
Toronto	6.049	Apr. 1, 1938	4,000 00	3,809 94	55 45
Toronto	6.049	1937–1938	7,000 00	6,679 11	.....
Toronto	6.08	July 1, 1948	29,200 00	21,808 18	.....
Toronto	6.08	July 1, 1945	7,000 00	6,136 91	.....
Toronto	6.08	July 1, 1948	4,000 00	3,231 93	.....
Toronto	6.05	July 1, 1948	6,326 66	4,743 33	.....
Toronto	6.05	Apr. 1, 1936	24,000 00	22,984 35	332 71
Toronto	6.06	July 1, 1936	3,000 00	2,753 87	.....
Toronto	6.021	Jan. 1, 1955	19,000 00	15,060 29	.....
Toronto	6.	1931–1937	40,000 00	38,655 58	554 52
Toronto	6.434	1941–1948	269,000 00	256,110 86	4,068 27
Toronto	6.436	1940–1948	231,000 00	220,166 76	2,316 40
Toronto	6.248	1930–1935	200,000 00	197,250 28	4,011 00
Toronto	6.240	1930–1939	230,000 00	226,748 30	4,612 64
Toronto	6.20	1935–1940	50,000 00	49,193 82	1,002 74
Toronto	6.25	June 1, 1951	100,000 00	96,830 81	509 59
Toronto	6.40	June 1, 1948	59,000 00	56,210 30	300 66
Toronto	6.35	1943–1944	147,000 00	141,560 54	749 10
Toronto	6.35	1942–1944	53,000 00	51,094 44	270 08
Toronto	6.	1937–1940	44,000 00	42,029 54	.....
Toronto	6.	1936–1949	61,000 00	61,000 00	310 85
Toronto	6.	1937–1947	17,000 00	16,093 94	.....
Toronto	6.	1942–1951	52,000 00	52,000 00	786 41
Toronto	6.	1935–1940	50,000 00	47,854 11	.....
Toronto	6.	1937–1941	28,000 00	28,000 00	.....
Toronto	6.	1937–1939	9,000 00	9,000 00	45 86
Toronto	6.	1937–1939	7,000 00	7,000 00	105 86
Toronto	6.	1937–1939	10,000 00	10,000 00	.....
Toronto	6.	1937–1939	14,000 00	13,391 06	.....
Toronto	6.	1938–1939	9,000 00	8,596 79	.....
Toronto	5.50	May 1, 1932	50,000 00	51,346 75	501 37
Toronto	5.40	1939–1941	150,000 00	151,501 21	2,757 55
Toronto	5.35	Mar 1, 1951	83,000 00	90,460 61	1,664 55
Toronto	5.35	Jan. 1, 1951	15,000 00	16,322 62	.....
Toronto	5.557	Dec. 1, 1940	175,000 00	182,820 45	891 78
Toronto	5.557	Dec. 1, 1940	100,000 00	104,468 84	509 59

TABLE 14—Continued

Municipal Debentures—Continued

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Book Value $ c.	Accrued Interest $ c.
Toronto	5.20	1940–1942	58,000 00	56,799 27	484 66
Toronto	5.20	1940–1951	41,000 00	42,461 69	.....
Toronto	5.25	Apr. 1, 1951	50,000 00	48,252 34	630 14
Toronto	5.02	1940–1951	21,000 00	23,434 74	107 01
Toronto	5.02	Mar. 1, 1940	1,000 00	1,100 09	20 05
Toronto	4.925	July 1, 1950	20,000 00	20,212 29	.....
Toronto	4.925	Apr. 1, 1950	25,000 00	25,265 35	315 07
Toronto	5.265	July 1, 1944	35,000 00	31,854 26	.....
Toronto	5.252	July 1, 1945	96,000 00	87,247 95	.....
Toronto	4.996	July 1, 1948	58,000 00	54,206 16	.....
Toronto Harbour Comm'rs	5.30	Sept. 1, 1953	100,000 00	88,396 09	1,504 11
Toronto Harbour Comm'rs	5.318	Sept. 1, 1953	200,000 00	176,325 15	3,008 22
Toronto Harbour Comm'rs	5.318	Sept. 1, 1953	25,000 00	22,040 95	376 03
Toronto Junction (City of Toronto)	6.187	Jan. 2, 1943	33,000 00	26,940 35	.....
Wallaceburg	5.625	1926–1930	3,723 96	3,761 87	149 97
Walkerville	6.597	1926–1942	31,144 78	29,849 91	92 15
Walkerville	6.271	1942–1948	17,531 70	16,002 96	47 54
Welland City	5.40	Sept. 1, 1934	25,000 00	25,174 74	459 58
Welland, City	5.439	Apr. 1, 1939	42,000 00	44,228 45	635 18
Welland, County	5.38	Dec. 15, 1945	10,000 00	9,543 30	23 28
Weston	5.43	1926–1929	16,054 97	16,267 30	646 59
Weston	5.50	1926–1930	2,600 31	2,635 94	130 78
Whitby	5.375	1926–1946	13,057 58	13,199 13	116 08
Whitby	5.375	1926–1946	3,602 92	3,645 10	33 65
Whitby	5.38	1926–1946	5,912 26	5,980 09	52 55
Windsor	5.563	1926–1935	14,301 46	14,247 94	36 62
Windsor	6.413	1942–1950	200,257 35	190,752 56	1,020 30
Windsor	6.20	1929–1932	30,000 00	29,743 87	152 88
Windsor	6.05	1938–1940	32,977 61	32,819 21	585 45
Windsor	6.10	Sept. 15, 1941	12,337 43	12,211 98	219 01
Windsor	6.05	June 1, 1940	13,000 00	12,937 82	66 25
Windsor	5.32	1946–1952	110,000 00	112,603 31	1,525 00
Windsor	5.101	June 1, 1951	24,000 00	27,075 09	122 30
Woodstock	5.625	Dec. 31, 1936	7,045 32	6,407 91	.....
Woodstock	5.625	Nov. 1, 1938	10,000 00	8,991 09	.....
Woodstock	5.625	Nov. 30, 1937	6,000 00	5,425 22	.....
York, Twp	5.38	1926–1936	22,706 75	22,836 18	.....
York, Twp	4.958	1941–1946	100,000 00	100,491 54	424 66
			12,001,806 32	11,688,941 76	139,975 42

Other Permanent Investments

Dom. of Canada Victory Loan	5.85	Nov. 1, 1934	413,950 00	403,919 01	3,805 00
Dom. of Canada Victory Loan	6.065	Nov. 1, 1934	3,750 00	3,604 70	34 05
Dominion of Canada Loan	4.855	Sept. 1, 1940	250,000 00	241,518 85	3,760 33
Dominion of Canada Loan	5.252	Sept. 1, 1940	250,000 00	232,474 32	3,760 33
Ontario, Province of	5.178	Oct. 15, 1948	250,000 00	244,267 97	263 70
Ontario, Province of	5.88	Feb. 1, 1941	50,000 00	51,637 91	1,257 53
Ontario, Province of	5.449	Dec. 1, 1950	700,000 00	611,083 48	2,675 30
Ontario, Province of	5.458	Dec. 1, 1949	300,000 00	262,305 08	1,146 60
Ontario, Province of	5.	Sept. 15, 1943	50,000 00	56,711 92	73 97
			2,267,700 00	2,107,523 24	16,776 81
Total Permanent Investments, Schedule 1			14,269,506 32	13,796,465 00	156,752 23

TABLE 14—Continued

SCHEDULE 2 FUNDS

Security	Yield Rate (Per Cent.)	Term	Par Value $ c.	Book Value $ c.	Accrued Interest $ c.
Dom. of Canada Victory Loan	5.85	Nov. 1, 1934	383,350 00	374,064 42	3,523 67
Dom. of Canada Victory Loan	5.50	Nov. 1, 1934	100,000 00	100,000 00	919 18
Dom. of Canada Victory Loan	5.50	Nov. 1, 1924	100,000 00	100,000 00	919 18
Dom. of Canada Victory Loan	5.915	Nov. 1, 1934	50,000 00	48,569 05	459 58
Dom. of Canada Victory Loan	5.915	Nov. 1, 1934	50,000 00	48,569 05	459 58
Dom. of Canada Victory Loan	5.915	Nov. 1, 1934	50,000 00	48,569 05	459 58
Dom. of Canada Victory Loan	6.258	Nov. 1, 1934	200,000 00	189,688 54	1,838 44
Dom. of Canada Victory Loan	6.26	Nov. 1, 1934	50,000 00	47,419 32	459 58
Dom. of Canada Victory Loan	6.26	Nov. 1, 1934	50,000 00	47,419 37	459 58
Dom. of Canada Victory Loan	6.258	Nov. 1, 1934	100,000 00	94,844 80	919 18
Dom. of Canada Victory Loan	6.315	Nov. 1, 1934	100,000 00	94,471 57	919 18
Dom. of Canada Victory Loan	5.993	Nov. 1, 1934	100,000 00	96,610 51	919 18
Dom. of Canada Victory Loan	5.993	Nov. 1, 1934	100,000 00	96,610 51	919 18
Dom. of Canada Victory Loan	5.979	Nov. 1, 1934	50,000 00	48,351 42	459 58
Dom. of Canada Victory Loan	6.065	Nov. 1, 1934	643,250 00	618,324 41	5,912 55
Dom. of Canada Victory Loan	6.04	Nov. 1, 1934	130,000 00	125,167 84	1,194 93
Dom. of Canada Victory Loan	6.111	Nov. 1, 1934	100,000 00	95,819 88	919 18
Dom. of Canada Victory Loan	5.411	Nov. 1, 1934	50,000 00	50,313 37	459 58
Dom. of Canada Victory Loan	5.406	Nov. 1, 1934	100,000 00	100,666 04	919 18
Dom. of Canada Victory Loan	5.10	Nov. 1, 1934	100,000 00	102,849 22	919 18
Owen Sound	4.95	April 1, 1945	125,000 00	125,782 14	1,575 34
Renfrew	5.40	1949–1953	50,234 63	50,933 20	461 73
Stratford	5.201	July 1, 1954	82,000 00	83,195 45	2,190 86
Toronto	6.325	June 1, 1940	4,000 00	3,881 20	20 38
Toronto	6.33	June 1, 1939	75,000 00	72,782 93	382 19
Toronto	6.325	June 1, 1942	21,000 00	20,306 78	107 01
Toronto	6.254	1937–1940	130,000 00	127,181 78	662 55
Toronto	5.875	June 1, 1937	30,000 00	30,306 37	152 88
Toronto	5.557	Dec. 1, 1940	100,000 00	104,468 84	509 59
Toronto	5.25	1940–1943	42,000 00	45,283 28	214 03
Toronto	5.25	1950–1951	50,000 00	48,261 00	630 14
Toronto	4.99	July 1, 1948	24,333 33	21,086 82	.....
Toronto Harbour Comm'rs	5.70	Sept. 1, 1953	51,000 00	42,485 59	767 10
Toronto Harbour Comm'rs	5.30	Sept. 1, 1953	18,000 00	15,911 30	270 74
Toronto Harbour Comm'rs	5.30	Sept. 1, 1953	25,000 00	22,099 03	376 03
Toronto Harbour Comm'rs	5.268	Sept. 1, 1953	141,000 00	125,243 60	2,120 79
Toronto Harbour Comm'rs	5.25	Sept. 1, 1953	50,000 00	44,532 79	752 05
Total Permanent Investments, Schedule 2			3,625,167 96	3,512,070 47	35,152 68

SHORT DATE DEPOSITS, SCHEDULE 1

	Yield Rate (Per Cent.)		
Canada Permanent Mortgage Corporation, Special Deposit	4.75	Withdrawable as Required	$250,000 00
Central Canada Loan & Investment Company, Guaranteed Investment Receipt	4.75	Withdrawable on short notice	150,000 00
	4.50	Withdrawable on short notice	150,000 00
Huron & Erie Mortgage Corporation, Short Date Debentures	5.00	Withdrawable on short notice	350,000 00
Total Short Date Deposits, Schedule 1			$900,000 00

CHAPTER V

1924 OPERATIONS

This chapter deals with the year 1924, containing information which was not available when the report for that year was made.

It gives the final financial statement for Schedule 1 industries for the year, estimates of the adjustments of assessments and of the outstanding compensation and medical aid having to be used in the provisional statement given in Table 1 of the 1924 report; and it gives statistical information as to the accidents which happened during 1924, their causes, the nature of the injuries suffered, the number, time loss, total and average cost of the different classes of cases, and the age, wage, nationality, and marital condition of the injured workmen.

This information is contained in Tables 15 to 27.

Financial Statement, Schedule 1, 1924

Table 15 gives the final financial statement for Schedule 1 industries for 1924, provisional figures for which were given in Table 1 of the 1924 report. It shows the income and credits and the expenditure and charges and the balance, for each class of industry; also the actual assessments and accident cost and other items of income and expenditure for each class, and the assessments and accident cost for each group of industry within the class. The list of industries included in each class and group will be found in the Board's rate book, the list of industries in the different classes is also printed with the Act, and their general nature is indicated at the bottom of Table 1 of this report.

The net income and credits for all the classes for the year were $5,312,197.06, the net expenditure and charges $5,035,783.01, leaving a surplus for the year of $276,414.05. Deducting the deficit forward from prior years of $327,427.92, leaves a net actual deficit at the end of the year of $51,013.87, as compared with a provisional or estimated deficit of $7,678.03.

Assessments and Accident Cost

The assessments and accident cost (the latter comprising compensation and medical aid and payments on account of rehabilitation) in Schedule 1 for each year since the commencement of the Act, and the totals to the end of 1924, are as follows:

Year	Assessments	Accident Cost
1915	$1,831,537 52	$1,091,020 43
1916	2,361,463 20	1,880,004 37
1917	2,662,383 29	2,639,560 56
1918	3,303,575 83	3,214,427 57
1919	3,840,949 07	4,474,847 38
1920	5,579,333 45	5,041,947 30
1921	4,594,452 37	4,277,034 67
1922	3,984,594 64	4,323,801 07
1923	3,771,321 09	4,977,331 82
1924	4,524,700 86	4,746,314 60
Totals	$36,454,311 32	$36,666,289 77

Pay Roll and Rates of Assessment

As assessments are in the form of a percentage of pay roll, the average rate paid by employers in Schedule 1 can be determined by dividing the total assess-

ments for the year by the total pay roll. The following table shows the total amount of pay roll and the total assessments and the average rate for $100 pay roll for each year:

Year	Total Pay Roll	Total Assessments	Average Rate Per $100
1915	$147,603,000	$1,831,537 52	$1 24
1916	220,840,000	2,361,463 20	1 07
1917	286,903,000	2,662,383 29	93
1918	310,450,000	3,303,575 83	1 06
1919	325,226,000	3,840,949 07	1 18
1920	464,589,000	5,579,333 45	1 20
1921	355,259,000	4,594,452 37	1 29
1922	391,888,000	3,984,594 64	1 02
1923	434,163,000	3,771,321 09	87
1924	386,318,000	4,524,700 86	1 17

Final Accident Figures, 1924

Table 16 shows the number of accidents happening in 1924 (in all industries under the Act) for which payment of compensation or medical aid was made. The total number was 49,297, of which 315 were death cases, 2,191 cases involving some degree of permanent disability, 25,980 temporary disability cases, and 20,811 cases which involved medical aid only. Schedule 2 cases involving medical aid only are not included as in these cases medical aid is furnished directly by the employer.

The complete figures for each year since the commencement of the Act are as follows:

Year	Medical Aid Only	Temporary Disability	Permanent Disability	Death	Totals
1915	*	9,311	1,339	296	10,946
1916	*	15,993	2,232	373	18,598
1917	†4,267	21,556	2,475	370	28,668
1918	12,822	24,089	2,624	366	39,901
1919	11,769	22,418	2,457	364	37,008
1920	15,566	27,423	2,735	373	46,097
1921	12,141	22,855	2,079	331	37,406
1922	15,913	24,461	2,082	325	42,781
1923	20,125	28,954	2,340	327	51,746
1924	20,811	25,980	2,191	315	49,297
Totals	113,414	223,040	22,554	3,440	362,448

*No medical aid. †Half-year only.

Accident Frequencies, Schedule 1

Comparison of accident frequencies can be made by correlating the number of accidents with the total number of full-year workers, data for this being available, however, only in Schedule 1. Eliminating accidents in which medical aid only was paid, the number of accidents for each 100 full-year workers for the different years are:

Year	Temporary Disability	Permanent Disability	Death	Totals
1915	3.63	.58	.12	4.32
1916	4.99	.79	.10	5.88
1917	5.78	.72	.07	6.57
1918	5.81	.66	.07	6.54
1919	5.81	.68	.07	6.56
1920	6.23	.67	.07	6.97
1921	6.25	.60	.05	6.90
1922	5.82	.52	.06	6.40
1923	6.02	.51	.05	6.58
1924	6.08	.54	.06	6.68

On the same basis of calculation the frequency of medical aid only cases has been: 1918, 3.66; 1919, 3.70; 1920, 4.26; 1921, 4.24; 1922, 4.67; 1923, 4.96; and 1924, 5.84.

Statistical Distributions

Tables 17 and 27 give statistical details regarding accidents and workmen, including, where the data is available, Schedule 2 and Crown cases as well as Schedule 1. Considerations of space preclude more extensive tabulations, but the original material is retained and still fuller information is always available concerning the accidents in any of the different classes of industry.

Month of Occurrence

Table 17 gives the month of occurrence of all accidents. The month in which the greatest number occurred during 1924 was July, with 4,730, and the month with the lowest number was December, with 3,593.

Accidents According to Locality

The distribution of accidents according to county or district in which they occurred is contained in Table 18. York had the highest number with 10,671, and next in order were Temiskaming with 5,519, Wentworth with 3,006, Welland with 2,786, and Essex with 2,040. The greatest number of deaths, 45, were in York County; there were 37 in Temiskaming, 16 in Algoma and 16 in Thunder Bay.

Time Loss, Age, and Wage

In Table 19 is given the average age and wage of workmen receiving compensation, and the total and average time loss for each class of industry and for each category of disability. The average age for 1924 was 34.76 years. The average weekly wage for 1924 was $22.96, as compared with $23.32 for 1923, and $22.15 for 1922. The total time loss in temporary disability cases was 525,103 days, or an average of 20.21 days, as compared with an average of 19.71 days in 1923, and 20.01 in 1922.

Compensation and Medical Aid Costs, Schedule 1

Table 20 contains the total and average cost of compensation and medical aid by classes in Schedule 1 for each kind of disability.

The total cost of all accidents was $4,746,314.60, of which $3,894,334.74 was for compensation and $851,979.86 was for medical aid.

Of the $3,894,334.74 compensation cost, $1,223,789.72 was for temporary disability cases, $1,884,021.43 was for permanent disability cases, and $786,523.59 was for death cases.

The average cost of temporary disability cases was $79.69, of which $56.64 was for compensation and $23.05 was for medical aid, the average in 1923 being $70.34, and in 1922, $75.93.

The average cost of permanent disability cases was $1,105.19, of which $211.64 was for temporary disability, $773.21 for permanent disability, and $120.34 for medical aid.

The average cost of death cases where there were dependants was $5,547.39, and the average cost for all death cases was $3,900.49, of which $49.82 was for temporary disability, $121.20 for burial expenses, $82.41 for medical aid, and $3,647.06 for death benefits.

The average cost of all cases in which compensation was paid was $195.55, of which $164.14 was for compensation and $31.41 for medical aid, as compared with $184.11 for 1923, and $194.60 for 1922.

The average cost of medical aid in medical aid only cases was $5.16, as compared with $5.01 in 1923, and $5.21 in 1922.

Allegiance of Injured

Table 21 shows the allegiance of injured workmen who received compensation, as taken from their own reports. There were 24,413, or nearly 86 per cent., of British allegiance, and 4,073 of alien allegiance. Among the aliens the most numerous were Italians, Finlanders, Poles, Russians, and Austrians.

Sex and Marital Condition of Injured

Table 22 gives the sex and marital condition of those receiving compensation. There were 28,265 males and 221 females. Of the males, 16,558 were married, and 19 of the females. There were 539 widowers and 37 widows.

Duration of Disability

Table 23 shows the week of termination of temporary disability cases. In 47 per cent. of these cases the disability terminated in from one to two weeks. In 8 cases the disability lasted more than a year.

Nature of Injuries

The first part of Table 24 shows the number of various kinds of temporary disability injuries in the different classes of industry, the second part gives an analysis of the permanent disability cases showing the number of injuries to the several parts of the body and the percentages of impairment of earning capacity, and the third part of the table shows the number and nature of the industrial disease cases.

During 1924 there were 8,801 cuts, lacerations and punctures; 7,366 bruises and abrasions; 2,461 fractures; 2,437 sprains, strains, twistings and wrenchings; 209 dislocations; and 124 herniæ, among the temporary disabilities.

Among the 2,191 permanent disability cases were 20 permanent total disability cases, and 329 cases exceeded 10 per cent. of total earning capacity.

There were 24 industrial disease cases, 20 cases, including one permanent partial disability, of lead poisoning, 3 cases of mercury poisoning, and one case of arsenic poisoning.

Causes of Accidents

Table 25 gives the prime causes of accidents in 1924. Machinery was responsible for 10,328 cases of accident out of a total of 49,297, or 20.95 per cent. of all cases, as compared with 22.73 per cent. in 1923, 26.06 in 1922, and 24.43 in 1921.

Blood-Poisoning Cases

The number of compensation cases in which the seriousness of the accident was due to concurrent or subsequent infection rather than to the nature of the wound is shown in Table 26. There were 2,682 such cases, or 9.42 per cent. of all cases compensated, including 36 cases of permanent disability and 14 deaths.

Death Cases

The nature of awards, the number, relationship and residence of the dependants, are shown in Table 27.

TABLE 15

FINAL FINANCIAL STATEMENT FOR 1924, SCHEDULE 1

BY CLASSES

Class	Income and Credits	Expenditure and Charges	Balance for 1924	Balance forward Prior Years	Balance at Dec. 31, 1924	Class
	$ c.	$ c.	$ c.	$ c.	$ c.	
1	880,576 01	901,961 62	—21,385 61	—260,649 25	—282,034 86	1
2	323,010 10	226,526 46	96,483 64	—131,188 59	—34,704 95	2
3	73,064 72	80,702 56	—7,637 84	7,489 06	—148 78	3
4	187,484 21	172,717 67	14,766 54	—30,305 85	—15,539 31	4
5	650,101 19	566,069 43	84,031 76	—69,875 79	14,155 97	5
6	205,391 08	162,186 62	43,204 46	—3,729 90	39,474 56	6
7	131,718 68	134,062 44	—2,343 76	70,711 93	68,368 17	7
8	147,184 92	128,177 95	19,006 97	—60,328 30	—41,321 33	8
9	239,496 89	197,291 13	42,205 76	—28,826 03	13,379 73	9
10	269,479 05	219,329 93	50,149 12	27,265 22	77,414 34	10
11	193,613 76	202,716 73	—9,102 97	37,457 50	28,354 53	11
12	180,151 36	152,666 91	27,484 45	—20,966 57	6,517 88	12
13	94,998 12	89,915 99	5,082 13	—1,495 32	3,586 81	13
14	62,212 50	65,846 19	—3,633 69	6,822 06	3,188 37	14
15	212,937 18	182,100 87	30,836 31	20,133 69	50,970 00	15
16	123,820 40	114,251 61	9,568 79	—29,040 67	—19,471 88	16
17	143,196 50	114,110 55	29,085 95	—28,534 84	551 11	17
18	23,737 73	26,847 24	—3,109 51	13,792 54	10,683 03	18
19	70,496 23	79,913 87	—9,417 64	13,052 56	3,634 92	19
20	132,857 41	119,135 66	13,721 75	—11,183 98	2,537 77	20
21	163,136 78	155,672 58	7,464 20	—4,852 10	2,612 10	21
22	97,280 10	111,004 41	—13,724 31	—11,203 28	—24,927 59	22
23	334,164 30	*354,741 42	—20,577 12	—25,092 74	—45,669 86	23
24	372,087 84	477,833 17	—105,745 33	193,120 73	87,375 40	24
	†5,312,197 06	5,035,783 01	276,414 05	—327,427 92	—51,013 87	

*Includes $20.00 for Rehabilitation.

†Includes $600.000 transferred from Pension Fund.

TABLE 15—Continued

BY GROUPS

Group and Class	Assessments and Compensation: Assessments	Assessments and Compensation: Compensation and Medical Aid	Other Credits and Charges: Interest, Secs. 74 (4). 93a, 99 (3), and 9, etc.	Other Credits and Charges: Administration Expenses and Safety Assns.	Other Credits and Charges: Balance Forward Prior Years	Other Credits and Charges: Balance at December 31, 1924
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 010	399,515 76	488,685 49				
" 011	262,071 58	163,590 20				
" 012	136,035 32	215,367 75				
Class 1	797,622 66	867,643 44	82,953 35	34,318 18	-260,649 25	-282,034 86
Group 020	181,987 54	162,415 39				
" 021	21,527 12	19,606 05				
" 022	78,388 04	22,798 78				
Class 2	281,902 70	204,820 22	41,107 40	21,706 24	-131,188 59	-34,704 95
Group 030	32,513 47	41,109 73				
" 031	11,370 56	5,654 48				
" 032	8,372 41	9,404 42				
" 033	8,766 24	20,297 54				
Class 3	61,022 68	76,466 17	12,042 04	4,236 39	7,489 06	-148 78
Group 040	95,360 17	83,629 11				
" 041	22,961 84	21,070 78				
" 042	14,774 93	22,365 30				
" 043	6,844 17	11,324 03				
" 044	18,211 96	21,047 74				
Class 4	158,153 07	159,436 96	29,331 14	13,280 71	-30,305 85	-15,539 31
Group 050	53,102 12	47,210 25				
" 051	335,814 39	326,219 90				
" 052	92,000 94	85,079 65				
" 053	19,482 20	25,198 15				
" 054	1,059 72	2 00				
" 055	35,252 09	40,229 69				
" 056	35,268 07	15,893 30				
" 057	3,567 42	.....				
Class 5	575,546 95	539,832 94	74,554 24	26,236 49	-69,875 79	14,155 97
Group 060	17,350 59	15,477 30				
" 061	33,719 47	38,960 06				
" 062	38,786 49	27,706 55				
" 063	39,448 02	33,768 80				
" 064	18,726 05	14,008 84				
" 065	7,659 76	4,771 10				
" 066	15,329 26	14,901 23				
Class 6	171,019 64	149,593 88	34,371 44	12,592 74	-3,729 90	39,474 56
Group 070	67,778 11	86,823 08				
" 071	23,058 46	33,261 42				
" 072	562 33	730 87				
Class 7	91,398 90	120,815 37	40,319 78	13,247 07	70,711 93	68,368 17

TABLE 15—Continued

BY GROUPS

Group and Class	Assessments and Compensation: Assessments	Assessments and Compensation: Compensation and Medical Aid	Other Credits and Charges: Interest, Secs. 74 (4). 93a, 99 (3), and 9, etc.	Other Credits and Charges: Administration Expenses and Safety Assns.	Other Credits and Charges: Balance Forward Prior Years	Other Credits and Charges: Balance at December 31, 1924
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 080	47,210 94	41,220 28				
" 081	27,131 25	33,588 58				
" 082	41,639 82	34,378 18				
" 083	13,723 09	6,568 78				
Class 8	129,705 10	115,755 82	17,479 82	12,422 13	−60,328 30	−41,321 33
Group 090	23,839 30	18,649 54				
" 091	26,264 75	38,392 01				
" 092	13,964 90	15,218 99				
" 093	27,423 37	15,557 70				
" 094	93,631 78	77,305 20				
" 095	15,684 15	16,675 17				
Class 9	200,808 25	181,798 61	38,688 64	15,492 52	−28,826 03	13,379 73
Group 100	25,647 71	24,403 17				
" 101	71,916 68	73,687 22				
" 102	28,929 17	33,069 61				
" 103	35,806 07	32,760 25				
" 104	16,249 16	3,909 97				
" 105	15,947 05	12,543 15				
" 106	14,010 92	13,064 60				
" 107	5,522 25	7,742 98				
Class 10	214,029 01	201,180 95	55,450 04	18,148 98	27,265 22	77,414 34
Group 110	32,829 89	47,356 29				
" 111	100,049 32	121,326 14				
" 112	12,721 13	6,136 80				
" 113	10,614 31	13,734 93				
Class 11	156,214 65	188,554 16	37,399 11	14,162 57	37,457 50	28,354 53
Group 120	44,996 84	48,073 42				
" 121	52,855 81	49,900 13				
" 122	22,284 17	25,716 75				
" 123	12,180 78	5,809 39				
" 124	17,580 71	11,868 15				
Class 12	149,898 31	141,367 84	30,253 05	11,299 07	−20,966 57	6,517 88
Group 130	52,934 24	49,056 77				
" 131	21,069 76	36,833 15				
Class 13	74,004 00	85,889 92	20,994 12	4,026 07	−1,495 32	3,586 81
Group 140	50,780 55	62,030 01				
Class 14	50,780 55	62,030 01	11,431 95	3,816 18	6,822 06	3,188 37
Group 150	53,081 95	59,241 42				
" 151	30,128 48	26,091 59				
" 152	25,186 72	23,826 15				
" 153	23,675 77	24,151 08				

TABLE 15—Continued

BY GROUPS

Group and Class	Assessments and Compensation: Assessments	Assessments and Compensation: Compensation and Medical Aid	Other Credits and Charges: Interest, Secs. 74 (4). 93a, 99 (3), and 9, etc.	Other Credits and Charges: Administration Expenses and Safety Assns.	Other Credits and Charges: Balance Forward Prior Years	Balance at December 31, 1924
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 154	24,207 76	15,021 73				
" 155	21,868 65	18,880 91				
" 156	2,469 91	2,819 00				
Class 15	180,619 24	170,031 88	32,317 94	12,068 99	20,133 69	50,970 00
Group 160	31,249 88	29,302 96				
" 161	9,709 88	8,955 47				
" 162	5,189 00	4,222 26				
" 163	42,214 64	44,365 96				
" 164	13,440 50	17,959 88				
Class 16	101,803 90	104,806 53	22,016 50	9,445 08	–29,040 67	–19,471 88
Group 170	57,860 32	55,797 24				
" 171	42,678 59	31,785 85				
" 172	21,635 23	17,289 81				
Class 17	122,174 14	104,872 90	21,022 36	9,237 65	–28,534 84	551 11
Group 180	12,356 27	16,318 10				
" 181	6,614 69	8,119 73				
Class 18	18,970 96	24,437 83	4,766 77	2,409 41	13,792 54	10,683 03
Group 190	18,961 13	28,833 15				
" 191	27,601 52	36,893 65				
" 192	5,370 71	1,359 11				
" 193	5,639 21	9,461 56				
Class 19	57,572 57	76,547 47	12,923 66	3,366 40	13,052 56	3,634 92
Group 200	61,274 23	60,888 70				
" 201	56,223 53	51,341 86				
Class 20	117,497 76	112,230 56	15,359 65	6,905 10	–11,183 98	2,537 77
Group 210	98,401 78	101,826 32				
" 211	45,600 64	47,136 92				
Class 21	144,002 42	148,963 24	19,134 36	6,709 34	–4,852 10	2,612 10
Group 220	82,844 06	102,636 52				
Class 22	82,844 06	102,636 52	14,436 04	8,367 89	–11,203 28	–24,927 59
Group 230	48,733 13	76,615 70				
" 231	218,253 79	*247,296 08				
" 232	39,192 89	22,220 39				
Class 23	306,179 81	346,132 17	27,984 49	8,609 25	–25,092 74	–45,669 86

TABLE 15—Continued

BY GROUPS

Group and Class	Assessments and Compensation: Assessments	Assessments and Compensation: Compensation and Medical Aid	Other Credits and Charges: Interest, Secs. 74 (4), 93a, 99 (3), and 9, etc.	Other Credits and Charges: Administration Expenses and Safety Assns.	Other Credits and Charges: Balance Forward Prior Years	Other Credits and Charges: Balance at December 31, 1924
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Group 240	33,509 80	50,852 73				
" 241	11,036 84	12,874 88				
" 242	33,824 01	52,540 53				
" 243	6,506 75	4,402 20				
" 244	28,904 88	33,939 42				
" 245	25,963 00	32,598 59				
" 246	14,660 12	17,942 17				
" 247	6,707 14	13,589 88				
" 248	113,361 05	236,559 47				
" 249	6,455 94	5,169 34				
Class 24	280,929 53	460,469 21	91,158 31*	17,363 96	193,120 73	87,375 40
Schedule 1	4,524,700 86	4,746,314 60	†787,496 20	289,468 41	–327,427 92	–51,013 87

*Includes $20.00 for Rehabilitation, Group 231.

†Includes $600,000 transferred from Pension Fund, and $23,600.85 reimbursement from D.S.C.R.

TABLE 16

NUMBER OF ACCIDENTS IN 1924 INVOLVING PAYMENT

Class	Medical Aid Only	Temporary Disability	Permanent Disability	Death	Totals
1	813	3,608	339	45	4,805
2	1,376	1,327	75	12	2,790
3	384	355	51	3	793
4	672	799	114	3	1,588
5	1,721	1,892	134	30	3,777
6	386	610	50	11	1,057
7	198	406	42	2	648
8	1,069	784	39	2	1,894
9	2,429	1,095	117	2	3,643
10	2,285	1,212	161	5	3,663
11	1,400	1,048	101	6	2,555
12	589	692	59	4	1,344
13	174	321	39	3	537
14	1,230	428	25	2	1,685
15	891	1,028	77	6	2,002
16	574	616	66	....	1,256
17	521	571	49	6	1,147
18	247	269	12	....	528
19	314	317	26	2	659
20	224	664	43	5	936
21	366	649	52	7	1,074
22	754	255	30	7	1,046
23	1,176	978	76	20	2,250
24	923	1,683	136	23	2,765
Schedule 2	.....	2,424	142	56	2,622
Crown Cases	95	1,949	136	53	2,233
Totals	20,811	25,980	2,191	315	49,297

TABLE 17

MONTH OF OCCURRENCE OF ACCIDENTS, 1924

Month of Occurrence	Medical Aid Only	Temporary Disability	Permanent Disability	Death	Totals
January	1,456	2,336	197	23	4,012
February	1,434	2,203	177	25	3,839
March	1,769	2,078	165	23	4,035
April	1,607	1,879	159	25	3,670
May	1,945	2,087	196	29	4,257
June	1,896	2,237	176	28	4,337
July	2,150	2,352	197	31	4,730
August	1,950	2,143	180	30	4,303
September	1,836	2,162	175	19	4,192
October	1,964	2,374	195	36	4,569
November	1,501	2,045	189	25	3,760
December	1,303	2,084	185	21	3,593
Totals	20,811	25,980	2,191	315	49,297

TABLE 18

LOCALITY OF ACCIDENTS, 1924

County or District	Medical Aid Only	Temporary Disability	Permanent Disability	Death	Totals
Algoma	175	945	76	16	1,212
Brant	413	394	45	2	854
Bruce	19	127	13	1	160
Carleton	309	658	60	6	1,033
Dufferin	5	16	2	....	23
Dundas	12	39	4	1	56
Durham	129	126	10	1	266
Elgin	106	258	11	....	375
Essex	1,040	896	90	14	2,040
Frontenac	562	243	21	1	827
Glengarry	7	24	2	....	33
Grenville	74	53	7	....	134
Grey	272	229	36	3	540
Haldimand	64	126	12	....	202
Haliburton	9	48	1	....	58
Halton	117	189	22	1	329
Hastings	210	380	38	6	634
Huron	41	113	11	7	172
Kenora	181	409	22	9	621
Kent	319	202	24	2	547
Lambton	299	319	25	6	649
Lanark	93	211	13	2	319
Leeds	126	116	5	4	251
Lennox and Addington	24	40	6	1	71
Lincoln	568	611	69	8	1,256
Manitoulin	4	54	5	1	64
Middlesex	268	716	58	5	1,047
Muskoka	13	189	11	5	218
Nipissing	127	584	38	8	757
Norfolk	49	102	6	1	158
Northumberland	45	148	5	2	200
Ontario	342	312	34	5	693
Oxford	187	180	19	5	391
Parry Sound	98	441	42	5	586
Peel	36	106	8	3	153
Perth	192	304	17	3	516
Peterborough	264	327	32	2	625
Prescott	76	125	12	2	215
Prince Edward	6	16	1	....	23
Rainy River	85	285	22	7	399
Renfrew	259	463	51	7	780
Russell	79	96	6	2	183
Simcoe	1,046	763	48	8	1,865
Stormont	215	219	15	2	451
Sudbury	128	1,100	107	13	1,348
Temiskaming	3,135	2,195	152	37	5,519
Thunder Bay	374	1,139	97	16	1,626
Victoria	25	110	10	....	145
Waterloo	727	689	65	5	1,486
Welland	1,417	1,260	96	13	2,786
Wellington	266	349	20	7	642
Wentworth	1,297	1,533	162	14	3,006
York	4,875	5,330	421	45	10,671
Not in Ontario	2	73	6	1	82
Totals	20,811	25,980	2,191	315	49,297

TABLE 19

TIME LOSS, AVERAGE AGE, AND AVERAGE WAGE, 1924

Class	TIME LOSS*						AGE	WAGE
	Temporary Disability		Permanent Disability		Death Cases		All Cases	All Cases
	Total Days	Average Days	Total Days	Average Days	Total Days	Average Days	Average Age (Years)	Average Weekly Wage
								$ c.
1	85,692	23.75	31,425	92.70	375	8.33	33.14	18 21
2	23,813	17.94	5,464	72.85	1	.08	33.99	24 38
3	6,123	17.25	2,472	48.47	4	1.33	36.66	18 71
4	14,487	18.13	7,328	64.28	0	0	36.00	19 02
5	33,650	17.79	12,218	91.18	793	26.43	33.02	27 38
6	11,614	19.04	3,701	74.02	105	9.55	35.06	23.14
7	8,623	21.24	5,121	121.93	0	0	36.33	28.63
8	14,215	18.13	2,691	69.00	5	2.50	34.47	22 81
9	20,363	18.60	7,558	64.60	0	0	35.46	20 61
10	20,429	16.86	7,963	49.46	10	2.00	31.92	20 56
11	18,150	17.32	4,882	48.34	1,224	204.00	34.50	24 75
12	13,360	19.31	5,305	89.92	239	59.75	35.40	24 02
13	6,992	21.78	3,324	85.23	41	13.67	37.17	24 68
14	6,493	15.17	1,623	64.92	7	3.50	33.83	21 38
15	19,211	18.69	6,304	81.87	80	13.33	33.46	21 37
16	10,036	16.29	4,658	70.58	....	....	33.09	21 91
17	9,842	17.24	2,897	59.12	22	3.67	31.47	16 44
18	3,772	14.02	618	51.50	....	....	29.31	19 28
19	5,392	17.01	2,290	88.08	16	8.00	26.73	19 87
20	14,437	21.74	4,634	107.77	0	0	37.14	21 61
21	14,346	22.10	5,104	98.15	2	.29	36.56	23 49
22	5,930	23.25	2,933	97.77	49	7.00	35.32	28 12
23	20,176	20.63	9,304	122.42	7	.35	35.04	26 59
24	37,244	22.13	15,662	115.16	451	19.61	36.02	25 25
Schedule 2	56,568	23.34	16,862	118.75	227	4.05	37.77	25.79
Crown...	44,145	22.65	15,918	117.04	381	7.19	37.70	25 53
All.....	525,103	20.21	188,259	85.92	4,039	12.82	34.76	22 96

*This does not include loss of man power by permanent impairment or death.

TABLE 20

TOTAL AND AVERAGE COMPENSATION AND MEDICAL AID COSTS, 1924, SCHEDULE 1, BY CLASSES

Compensation Costs

Class	Temporary Disability Cases		Permanent Disability Cases				Death Cases						All Cases	
	For Temporary Disability		For Temporary Disability		For Permanent Disability		For Temporary Disability		For Death Benefits		For Funeral Expenses			
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	270,939 77	75 09	69,280 50	204 37	257,093 00	758 39	1,043 63	23 19	77,501 00	1,722 24	5,114 33	113 65	680,972 23	170 58
2	71,090 19	53 57	15,269 49	203 59	36,597 00	487 96	3 68	31	36,958 00	3,079 83	1,499 00	124 92	161,417 36	114 16
3	16,576 72	46 69	6,108 22	119 77	26,918 00	527 80	15 55	5 18	15,184 00	5,061 33	357 00	119 00	65,159 49	159 31
4	35,526 32	44 46	17,239 29	151 22	71,113 00	623 80	0	0	8,395 00	2,798 33	310 00	103 33	132,583 61	144 74
5	106,537 24	56 31	34,275 20	255 79	206,010 69	1,537 39	2,714 27	90 48	114,916 00	3,830 53	3,662 50	122 08	468,115 90	227 68
6	29,448 56	48 28	9,832 30	196 65	29,994 73	599 89	240 61	21 87	56,397 00	5,127 00	1,375 00	125 00	127,288 20	189 70
7	27,877 83	68 66	16,260 25	387 15	54,961 00	1,308 60	.....	.....	3,609 00	1,804 50	250 00	125 00	102,958 08	228 80
8	38,232 29	48 77	6,201 28	159 01	32,822 00	841 59	10 42	5 21	12,223 00	6,111 50	250 00	125 00	89,738 99	108 77
9	54,850 64	50 09	20,348 44	173 92	56,843 85	485 84	0	0	7,785 00	3,892 50	250 00	125 00	140,077 93	115 39
10	46,744 50	38 57	18,784 40	116 67	79,572 00	494 24	21 98	4 40	15,665 00	3,133 00	623 00	124 60	161,410 88	117 13
11	49,300 18	47 04	12,925 75	127 98	54,987 00	544 43	3,628 04	604 67	33,037 00	5,506 17	750 00	125 00	154,627 97	133 88
12	35,326 35	51 05	14,237 74	241 32	38,886 14	659 09	734 68	183 67	21,254 00	5,313 50	498 00	124 50	110,936 91	146 94
13	21,645 18	67 43	9,061 24	232 34	22,618 00	579 95	146 86	48 95	17,752 00	5,917 33	375 00	125 00	71,598 28	197 24
14	19,591 54	45 77	4,605 02	184 20	10,985 00	439 40	19 15	9 58	10,851 00	5,425 50	250 00	125 00	46,301 71	101 76
15	49,227 08	47 89	15,629 12	202 98	47,880 00	621 82	174 39	29 07	21,307 00	3,551 17	750 00	125 00	134,967 59	121 48
16	26,268 43	42 64	11,616 16	176 00	49,941 00	756 68	.....	.....	.....	.....	.....	.....	87,825 59	128 78
17	21,665 82	37 94	6,364 91	129 90	26,781 00	546 55	43 34	7 22	31,848 00	5,308 00	750 00	125 00	87,453 07	139 70
18	10,623 47	39 49	1,589 81	132 48	4,609 00	384 08	.....	.....	.....	.....	.....	.....	16,822 28	59 87
19	12,445 70	39 26	6,146 07	236 39	43,481 00	1,672 35	32 29	16 15	1,750 00	875 00	250 00	125 00	64,105 06	185 81
20	28,772 19	43 33	10,957 72	254 83	26,438 00	614 84	0	0	25,053 00	5,010 60	600 00	120 00	91,820 91	128 96
21	38,918 65	59 97	13,858 71	266 51	45,026 00	865 88	3 13	45	26,634 00	3,804 86	835 00	119 29	125,275 49	176 94
22	19,759 49	77 49	8,669 36	288 98	25,045 00	834 83	113 97	16 28	30,425 00	4,346 43	875 00	125 00	84,887 82	290 71
23	63,654 85	65 09	29,300 35	385 53	120,799 00	1,589 46	25 42	1 27	74,500 00	3,725 00	2,474 00	123 70	290,753 62	270 72
24	128,766 73	76 51	46,314 69	340 55	109,744 00	806 94	1,290 85	56 12	108,250 00	4,706 52	2,869 50	124 76	397,235 77	215 65
All	1,223,789 72	56 64	404,876 02	211 64	1,479,145 41	773 21	10,262 26	49 82	751,294 00	3,647 06	24,967 33	121 20	3,894,334 74	164 14

TABLE 20—Continued

Medical Aid Costs

Class	When Medical Aid Only		In Temporary Disability Cases		In Permanent Disability Cases		In Death Cases		For All Cases	
	Total	Average	Total	Average	Total	Average	Total	Average	Total	Average
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1	7,229 40	8 89	125,027 37	34 65	51,489 44	151 89	2,925 00	65 00	186,671 21	38 85
2	7,130 77	5 18	27,166 79	20 47	8,734 90	116 47	370 40	30 87	43 4[illegible]2 86	15 56
3	2,168 25	5 65	5,390 90	15 19	3,520 78	69 03	226 75	75 58	11,306 68	14 26
4	3,357 00	5 00	14,610 20	18 29	8,729 65	76 58	156 50	52 17	26,853 35	16 91
5	8,003 19	4 65	38,887 00	20 55	21,709 55	162 01	3,117 30	103 91	71,717 04	18 99
6	2,152 78	5 58	15,216 85	24 95	4,488 30	89 77	447 75	40 70	22,305 68	21 10
7	969 25	4 90	9,401 37	23 16	7,483 67	178 18	3 00	1 50	17,857 29	27 56
8	4,622 15	4 32	16,679 71	21 28	4,665 17	119 62	49 80	24 90	26,016 83	13 74
9	10,166 00	4 19	21,149 50	19 31	10,405 18	88 93	0	0	41,720 68	11 45
10	10,565 35	4 62	18,853 30	15 56	10,057 92	62 47	293 50	58 70	39,770 07	10 86
11	7,088 70	5 06	18,621 70	17 77	7,302 34	72 30	913 45	152 24	33,926 19	13 28
12	3,607 30	6 12	15,585 33	22 52	8,025 80	136 03	3,212 50	803 13	30,430 93	22 64
13	960 00	5 52	7,957 80	24 79	4,948 34	126 88	425 50	141 83	14,291 64	26 61
14	5,314 50	4 32	8,045 05	18 80	2,321 75	92 87	47 00	23 50	15,728 30	9 33
15	5,595 85	6 28	21,484 02	20 90	7,268 42	94 40	716 00	119 33	35,064 29	17 51
16	2,852 75	4 97	9,375 76	15 22	4,752 43	72 01	.....	.....	16,980 94	13 52
17	2,907 75	5 58	10,662 70	18 67	3,525 88	71 96	323 50	53 92	17,419 83	15 19
18	1,305 50	5 29	5,400 55	20 08	909 50	75 79	.....	.....	7,615 55	14 42
19	1,764 65	5 62	5,567 50	17 56	4,304 26	165 55	806 00	403 00	12,442 41	18 88
20	1,296 00	5 79	13,344 99	20 10	5,710 16	132 79	58 50	11 70	20,409 65	21 81
21	2,155 05	5 89	15,074 73	23 23	6,056 32	116 47	401 65	57 38	23,687 75	22 06
22	4,536 25	6 02	8,281 39	32 48	4,728 06	157 60	203 00	29 00	17,748 70	16 97
23	5,853 75	4 98	26,735 11	27 34	22,262 94	292 93	526 75	26 34	55,378 55	24 61
24	5,207 00	5 64	39,457 90	23 44	16,815 54	123 64	1,753 00	76 22	63,233 44	22 87
All	106,809 19	5 16	497,977 52	23 05	230,216 30	120 34	16,976 85	82 41	851,979 86	19 17

TABLE 21

ALLEGIANCE OF INJURED WORKERS, 1924

Allegiance to	Temporary Disability	Permanent Disability	Death	Totals
Albania	3	....	1	4
Austria	271	16	5	292
Belgium	23	3	....	26
Brazil	1	....	....	1
Bulgaria	37	4	1	42
Chili	3	....	....	3
China	14	....	1	15
Czecho-Slovakia	97	5	3	105
Denmark	44	3	....	47
Esthonia	1	....	....	1
Finland	584	36	5	625
France	111	8	1	120
Germany	45	4	1	50
Great Britain	22,203	1,940	270	24,413
Greece	21	1	....	22
Holland	13	....	....	13
Italy	909	63	8	980
Japan	3	....	....	3
Jugo-Slavia	69	4	....	73
Lithuania	4	....	....	4
Norway	60	3	1	64
Poland	386	19	4	409
Roumania	128	8	1	137
Russia	330	29	7	366
Spain	12	2	....	14
Sweden	230	17	2	249
Switzerland	10	....	....	10
Turkey	56	2	....	58
Ukrania	105	9	....	114
United States	207	15	4	226
Totals	25,980	2,191	315	28,486

TABLE 22

SEX AND MARITAL CONDITION OF INJURED WORKERS, 1924

Sex and Marital Condition	Temporary Disability	Permanent Disability	Death	Totals
Males—				
Married	15,033	1,328	197	16,558
Single	10,059	764	84	10,907
Widowed	472	57	10	539
Not specified	224	13	24	261
Totals	25,788	2,162	315	28,265
Females—				
Married	17	2	....	19
Single	142	23	....	165
Widowed	33	4	....	37
Not specified	....	....	....	....
Totals	192	29	....	221
Grand Totals	25,980	2,191	315	28,486

TABLE 23

WEEK OF TERMINATION OF TEMPORARY DISABILITIES, 1924

In	12,180	cases	the	disability	terminated	in 1 to 2	weeks after the accident.
"	4,995	"	"	"	2 " 3	"	"
"	2,840	"	"	"	3 " 4	"	"
"	1,799	"	"	"	4 " 5	"	"
"	1,154	"	"	"	5 " 6	"	"
"	755	"	"	"	6 " 7	"	"
"	552	"	"	"	7 " 8	"	"
"	389	"	"	"	8 " 9	"	"
"	270	"	"	"	9 " 10	"	"
"	191	"	"	"	10 " 11	"	"
"	158	"	"	"	11 " 12	"	"
"	117	"	"	"	12 " 13	"	"
"	90	"	"	"	13 " 14	"	"
"	77	"	"	"	14 " 15	"	"
"	53	"	"	"	15 " 16	"	"
"	51	"	"	"	16 " 17	"	"
"	45	"	"	"	17 " 18	"	"
"	26	"	"	"	18 " 19	"	"
"	29	"	"	"	19 " 20	"	"
"	37	"	"	"	20 " 21	"	"
"	29	"	"	"	21 " 22	"	"
"	18	"	"	"	22 " 23	"	"
"	14	"	"	"	23 " 24	"	"
"	12	"	"	"	24 " 25	"	"
"	11	"	"	"	25 " 26	"	"
"	12	"	"	"	26 " 27	"	"
"	9	"	"	"	27 " 28	"	"
"	5	"	"	"	28 " 29	"	"
"	7	"	"	"	29 " 30	"	"
"	7	"	"	"	30 " 31	"	"
"	7	"	"	"	32 " 33	"	"
"	6	"	"	"	33 " 34	"	"
"	3	"	"	"	34 " 35	"	"
"	4	"	"	"	35 " 36	"	"
"	20	"	"	"	36 " 52	"	"
"	8	"	"	did not terminate	in	52 "	"
25,980		Total Cases					

TABLE 24

NATURE OF INJURIES, 1924

Temporary Disability Cases

Class.	Bruises, Contusions, and Abrasions.	Cuts, Lacerations, and Punctures.	Fractures.	Crushes.	Sprains, Strains, Twistings, and Wrenchings.	Scalds and Burns.	Eye Injuries.	Hernia.	Internal Injuries.	Concussions, (brain, spine, etc.)	Dislocations.	All other injuries.	Industrial Diseases (Schedule 3).	Totals.
1	1,036	1,485	396	197	254	28	69	17	9	16	22	79	....	3,608
2	401	447	100	150	118	46	29	6	2	3	13	12	....	1,327
3	65	206	18	26	15	6	10	2	1	1	2	3	....	355
4	238	345	56	59	44	12	23	7	2	....	7	6	....	799
5	591	589	109	173	160	85	136	7	1	2	14	23	2	1,892
6	180	210	53	67	43	24	22	3	1	4	1	2	....	610
7	129	96	22	53	33	50	16	2	....	1	1	3	....	406
8	148	192	46	99	61	194	36	....	1	2	1	2	2	784
9	281	258	107	215	86	62	64	3	....	3	9	6	1	1,095
10	211	600	79	108	59	70	47	3	....	2	4	19	10	1,212
11	356	327	90	71	75	65	42	4	....	1	10	6	1	1,048
12	190	179	72	63	100	52	22	2	....	2	2	8	....	692
13	80	112	41	19	41	9	7	1	1	2	6	2	....	321
14	81	259	23	7	21	18	10	5	....	....	4	....	....	428
15	292	362	97	63	87	64	20	10	3	3	13	13	1	1,028
16	155	239	42	50	49	39	19	2	1	....	6	14	....	616
17	121	275	43	45	45	23	9	2	....	2	3	3	....	571
18	49	153	15	11	14	20	1	2	1	....	2	1	....	269
19	59	157	21	42	19	9	2	2	1	3	1	....	1	317
20	203	165	88	54	111	10	10	2	1	2	12	5	1	664
21	198	178	92	73	52	20	15	4	....	3	4	10	....	649
22	78	89	29	14	23	12	4	1	1	....	1	3	....	255
23	333	278	100	74	120	30	23	3	3	....	9	5	....	978
24	450	573	197	95	185	63	48	11	2	9	22	24	4	1,683
Schedule 2	798	589	283	177	348	87	70	16	6	5	20	25	....	2,424
Crown	643	438	242	185	274	59	62	7	3	6	20	10	....	1,949
All	7,366	8,801	2,461	2,190	2,437	1,157	816	124	40	72	209	284	23	25,980

TABLE 24—Continued

Permanent Disability Cases

Part of Body Affected	Per Cent. Impairment of Total Earning Capacity											
	0.0-9.9	10.0-19.9	20.0-29.9	30.0-39.9	40.0-49.9	50.0-59.9	60.0-69.9	70.0-79.9	80.0-89.9	90.0-99.9	100.	Totals
One or more toes	50											50
Foot	110	4	4		1							119
Leg	158	4	3	5	12	4	1	2	1		3	193
Head	33		3			1					1	38
Face	11											11
Eye	91	107	1	1					1		4	205
Ear	7											7
Nose	2											2
Teeth	146											146
Arm	119	5	6	2	6	8	10	5			2	163
Hand	70	7	11	20	3	1					1	113
Thumb and 3 fingers		1		1								2
Thumb and 2 fingers	5	2	1									8
Thumb and 1 finger	8	1										9
Thumb	175	4										179
One finger	665											665
Two fingers	104	5										109
Three fingers	37	9	3									49
Four fingers	15	8	12	1								36
Internal organs	5											5
All other	51		7		4	8	1	2			9	82
Totals	1,862	157	51	30	26	22	12	9	2		20	2,191

Industrial Diseases

Description of Disease	Temporary Disability	Permanent Disability	Death	Totals
Lead poisoning or its sequelæ	19	1		20
Mercury poisoning or its sequelæ	3			3
Arsenic poisoning or its sequelæ	1			1
Totals	23	1		24

TABLE 25

CAUSES OF ACCIDENTS, 1924

Cause	Medical Aid only	Temp. Dis.	Perm. Dis.	Death	Totals
A. Prime Movers:					
1. Motors, engines, fans, pumps, and automatic stokers	75	89	15	1	180
2. Shafting, coupling, collars, set-screws, and keys	27	46	7	3	83
3. Belts, lines, pulleys, chains, and sprockets	201	310	42	6	559
4. Gears, cogs, cams, and friction wheels	69	116	43	3	231
Totals	372	561	107	13	1,053
B. Working Machines:					
1. Brick-making machines	4	3	1	....	8
2. Glass-making machines	2	4	....	....	6
3. Pottery-making machines	1	3	....	....	4
4. Stone-working machines	1	1	....	....	2
5. Mining machines, n.e.s	23	33	3	....	59
6. Mine drills	185	97	6	1	289
7. Contracting machines	49	141	19	2	211
8. Metal-working machines, n.e.s	228	136	15	....	379
9. Abrasive wheels	1,810	161	27	....	1,998
10. Lathes	272	96	11	....	379
11. Milling machines	19	19	4	....	42
12. Pneumatic tools	652	153	16	....	821
13. Presses	162	237	108	....	507
14. Shearing and punching machines	54	67	13	....	134
15. Wire-working machines	22	20	4	....	46
16. Welding and heat-cutting machines	102	17	2	....	121
17. Wood-working machines, n.e.s	54	104	10	....	168
18. Planers, jointers, and edgers	100	142	77	....	319
19. Saws	359	607	156	4	1,126
20. Shapers, molders and headers	76	69	22	1	168
21. Pulp and paper-making machines, n.e.s	37	25	4	1	67
22. Barkers	30	24	2	11	56
23. In-running rolls	39	89	15	1	144
24. Paper products and printing machines, n.e.s	8	11	....	....	19
25. Cutting machines	18	25	4	1	48
26. Presses	63	88	14	1	166
27. Stayers	24	23	3	....	50
28. Tanning machines	6	13	1	....	20
29. Leather-working machines	21	39	5	....	65
30. Rubber-working machines	21	24	6	....	51
31. Textile machines, n.e.s	17	22	4	....	43
32. Carders	12	16	3	1	32
33. Pickers	7	23	5	....	35
34. Sewers	62	70	2	....	134
35. Finishers and launderers	2	12	5	....	19
36. Knitters	23	33	1	....	57
37. Cutters	19	18	6	....	43
48. Weavers	18	33	....	....	51
39. Spinners	4	16	1	....	21
40. Food products, laboratory, and tobacco machines, n.e.s	46	70	23	....	139
41. Baking machines	4	14	5	1	24
42. Bottling machines	43	30	1	....	74
43. Office machines	3	1	....	....	4
Totals	4,702	2,829	604	14	8,149

TABLE 25—Continued

Cause	Medical Aid only	Temp. Dis.	Perm. Dis.	Death	Totals
C. Hoisting Apparatus:					
1. Elevators	29	73	10	3	115
2. Cranes	57	124	22	2	205
3. Conveyors	112	196	23	3	334
4. Mine cages	8	23	....	3	34
5. Other hoisting apparatus	96	290	45	7	438
Totals	302	706	100	18	1,126
D. Dangerous Substances:					
1. Steam escapes	53	105	5	4	167
2. Explosives	17	57	14	8	96
3. Electric currents	38	77	10	19	144
4. Conflagrations	3	1	....	....	4
5. Hot and inflammable substances and flames	483	802	31	6	1,322
6. Corrosive substances	112	131	11	1	255
7. Poisonous substances	29	83	2	1	115
Totals	735	1,256	73	39	2,103
E. Stepping on or Striking against Objects:					
1. Stepping on objects	264	407	2	1	674
2. Striking against objects	1,601	1,486	51	5	3,143
Totals	1,865	1,893	53	6	3,817
F. Falling Objects:					
1. Falling objects—from collapse of structures	6	24	4	1	35
2. Falling objects—from elevations	194	309	31	6	540
3. Falling objects—in mines and quarries	137	308	23	10	478
4. Falling objects—other	42	386	44	21	493
Totals	379	1,027	102	38	1,546
G. Handling Objects:					
1. Heavy objects—loading, carrying, rolling, or piling	5,110	6,772	326	17	12,225
2. Sharp objects	302	333	10	....	645
3. Hand trucks, carts, and wheelbarrows	256	566	18	1	841
Totals	5,668	7,671	354	18	13,711
H. Tools:	1,752	2,959	182	1	4,894
I. Runaways and Animals:					
1. Runaways	10	57	10	2	79
2. Animals	52	220	10	....	282
Totals	62	277	20	2	361

TABLE 25—Continued

Cause	Medical Aid only	Temp. Dis.	Perm. Dis.	Death	Totals
J. Moving Trains, Vehicles, etc.:					
1. Train wrecks	2	71	4	12	89
2. Caught in switch or hit fixed objects	3	23	6	7	39
3. Struck by or caught between cars and engines	9	118	17	47	191
4. Other causes, cars, and engines	4	39	3	....	46
5. Mine and quarry cars	37	138	13	3	191
6. Automobile and other power vehicles	97	287	23	6	413
7. Animal-drawn vehicles	29	170	13	1	213
8. Boats—power-driven	....	12	2	....	14
9. All other	....	1	1	....	2
Totals	181	859	82	76	1,198
K. Falls of Persons:					
1. From elevations	74	472	45	24	615
2. From ladders	54	323	25	1	403
3. Into excavations, pits, and shafts	14	160	10	4	188
4. On level	687	2,691	95	4	3,477
5. Into elevator shafts	1	10	2	1	14
6. From vehicles	51	544	56	8	659
7. From collapse of support	20	212	53	7	292
8. On steps or stairways	61	139	10	1	211
9. Into tanks and vats	1	4	....	1	6
10. From tool slipping	10	44	3	1	58
Totals	973	4,599	299	52	5,923
L. All Other Causes:					
1. Flying fragments	3,591	859	165	1	4,616
2. Doors, gates, windows, and covers	150	264	18	1	433
3. Inhalation of gases, fumes, etc	32	22	....	....	54
4. Immersion in water and drenchings	....	2	1	29	32
5. Exposure to elements	28	114	22	....	164
6. Violence	2	7	1	1	11
7. Cave-ins	8	70	8	6	92
8. Not elsewhere specified	9	5	....	....	14
Totals	3,820	1,343	215	38	5,416
Grand Totals	20,811	25,980	2,191	315	49,297

TABLE 26

BLOOD-POISONING CASES, 1924

Ascribed to time of injury	431
Developed 1 day after injury	542
" 2 days " "	415
" 3 " " "	295
" 4 " " "	233
" 5 " " "	192
" 6 " " "	122
" 7 " " "	108
" 8 " " "	72
" 9 " " "	41
" 10 " " "	33
" 11 " " "	32
" 12 " " "	25
" 13 " " "	13
" 14 " " "	14
" 15 " " "	14
" 16 " " "	8
" 17 " " "	9
" 18 " " "	4
" 19 " " "	4
" 20 " " "	4
" 21 " " "	3
" 22 " " "	1
" 23 " " "	1
" 24 " " "	4
" 25 " " "	3
" 27 " " "	1
" 28 " " "	2
" 29 " " "	1
" 30 " " "	2
" 32 " " "	1
" 33 " " "	1
" 112 " " "	1
Immobolized joints due to infections	18
Amputations due to infections	11
Permanent eye injuries due to infections	7
Deaths due to infections	14
Total Cases of Infections	2,682

TABLE 27

DEATH CASES, 1924

Number of Cases

Pension Awards	185
Limited Pension Awards	2
Lump Sums	38
Burial Expenses and Medical Aid Only	64
Burial Expenses Only	26
Total	315

Number, Relationship and Residence of Dependants

Relationship of Dependants	Resident in Ontario	Not Resident in Ontario	Totals
Widow	166	15	181
Child	256	22	278
Mother	29	5	34
Father	27	4	31
Totals	478	46	524

APPENDIX

Summary of Compensation and Medical aid Awarded

From Commencement of Act to End of 1925

Compensation Awarded

Schedule 1 Industries	$34,205,030 74
Schedule 2 (including Crown Cases)	11,889,887 76
Total Compensation	$46,094,918 50

Medical Aid Paid

Schedule 1 Industries	$5,399,176 95
Schedule 2 (including Crown Cases),	Furnished by employer.
Total Benefits Awarded by Board	$51,494,095 45

Summary of Accidents Reported

From Commencement of Act to End of 1925

Schedule 1 Industries	419,430
Schedule 2 (including Crown Cases)	82,584
Total Number of Accidents Reported	502,014

Financial Statement for Schedule 1 Industries

From Commencement of Act to End of 1925

Income and Credits		Expenditure and Charges	
Net assessments received	$40,532,571 63	Compensation paid other than pensions, compensation deferred, and under Secs. 22a and 36	$17,275,139 74
Received under Section 74 (4)	1,706 16	Pensions awarded	16,460,180 01
Received under Section 93a	67,543 21	Deferred Compensation awarded	468,576 84
Received under Section 99 (3)	2,513 15	Paid under Section 22a	996 40
Received under Section 9	38,357 45	Paid under Section 36	41 75
Received from D.S.C.R.	67,558 44	Medical Aid paid	5,399,176 95
Interest received	1,224,392 16	Administration Expenses paid	1,191,548 88
Credited from Disaster Reserve	97,000 00	Paid to Safety Associations	604,053 96
Credited from Pension Fund	1,027,214 62	Rehabilitation paid	96 00
Assessments estimated to be due on adjustment of 1925 pay rolls	376,552 71	Transferred to Disaster Reserve	285,555 19
		Compensation estimated outstanding	1,436,698 06
		Medical Aid estimated outstanding	198,571 68
		Balance at credit of classes	114,774 07
	$43,435,409 53		$43,435,409 53

Summary of Pension Fund, Schedule 1

From Commencement of Act to End of 1925

Pension awards	$16,460,180 01
Interest added	3,307,446 84
	$19,767,626 85
Pension payments	5,657,995 39
	$14,109,631 46
Amount transferred to Current Fund	1,027,214 62
Balance December 31, 1925	$13,082,416 84

Summary of Compensation Deferred, Schedule 1

From Commencement of Act to End of 1925

Compensation deferred	$468,576 84
Interest added	58,810 32
	$527,387 16
Amounts paid on Compensation Deferred, Principal and Interest	397,699 27
Balance December 31, 1925	$129,687 89

Summary of Disaster Reserve, Schedule 1

From Commencement of Act to End of 1925

Amount set aside	$285,555 19
Interest added	77,054 84
	$362,610 03
Transferred to classes	97,000 00
Balance December 31, 1925	$265,610 03

Summary of Investments, Schedule 1

From Commencement of Act to End of 1925

Invested	$22,407,052 27
Less principal returned	7,710,587 27
Book Value of Investments, December 31, 1925, Principal	$14,696,465 00
Plus accrued interest not received or apportioned	156,752 23
Total Book Value of Investments, December 31, 1925	$14,853,217 23

Summary of Schedule 2 Funds

From Commencement of Act to End of 1925

Received from employers		$7,736,195 41
Interest received		1,103,517 70
		$8,839,713 11
Payments made	$5,266,494 69	
Deposits returned to employers	23,935 79	
		5,290,430 48
Cash in Bank and Invested, December 31, 1925		$3,549,282 63

Summary of Investments, Schedule 2

From Commencement of Act to End of 1925

Invested	$3,645,506 30
Less principal returned	133,435 83
Book Value of Investments, December 31, 1925, Principal	3,512,070 47
Plus accrued interest not received or apportioned	35,152 68
Total Book Value of Investments, December 31, 1925	$3,547,223 15

Summary of Receipts and Payments

From Commencement of Act to End of 1925

Schedule 1

Receipts		Payments	
Assessments, including additional assessments, added percentage, and interest for under or over estimate	$40,693,575 99	Compensation payments other than on pensions or deferred awards or under Secs. 22a or 36	$17,275,139 74
Less Merit Rating (Charges	$1,064,579 68	Paid on Pensions	5,657,995 39
Refunds	1,225,584 04)	Paid on Deferred Awards, principal and interest	397,699 27
	—161,004 36	Under Section 22a	996 40
	$40,532,571 63	Under Section 36	41 75
Under Section 74 (4)	1,706 16	For Medical Aid	5,399,176 95
Under Section 93a	67,543 21	For Rehabilitation	96 00
Under Section 99 (3)	2,513 15	For Administration Expenses	2,108,429 62
Under Section 9	38,357 45	For Safety Associations	604,053 96
From D.S.C.R.	67,558 44	For Investments	22,407,052 27
From Province of Ontario under Section 68, grants for administration expenses	655,500 00		
From Schedule 2 and Crown employers for share of administration expenses	217,392 37	Cash in Bank, December 31, 1925	110,752 49
Interest from investments and bank deposits	4,667,704 16		
Principal returned from investments	7,710,587 27		
	$53,961,433 84		$53,961,433 84

Schedule 2

Receipts		Payments	
From Employers for Deposits under Section 28 and for Claimants' Moneys	$4,296,971 45	To Claimants out of Deposits under Section 28 and Claimants' Moneys	$1,886,247 86
From Employers for Deposits under Section 31a	3,439,223 96	Returned to Employers out of Deposits under Section 28	14,508 99
Interest from Investments and Bank Deposits	1,103,517 70	Paid out of Deposits under Section 31a:	
Principal returned from investments	133,435 83	To Claimants	3,380,246 83
		Returned to Employers	3,657 30
		To Schedule 1 for Administration Expenses	5,769 50
		For Investments	3,645,506 30
		Cash in Bank, Dec. 31, 1925	37,212 16
	$8,973,148 94		$8,973,148 94

AUDITORS' CERTIFICATE

The Workmen's Compensation Board of Ontario,
Metropolitan Building, Toronto, Ontario.

Dear Sirs:

We hereby certify that we have verified the cash and securities of the Board as of December 31, 1925.

Respectfully submitted,

(Sgd.) FRED PAGE HIGGINS & CO.,
Chartered Accountants.

Toronto, February 20, 1926.

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Ontario Department of Agriculture

REPORT

OF THE

Ontario Veterinary College

1925

PRINTED BY ORDER OF
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ONTARIO

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1926

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TORONTO
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Report of the
Ontario Veterinary College

To The Honourable John S. Martin,
Minister of Agriculture.

Sir,—

I have the honour to present herewith the following report of the Ontario Veterinary College for the year extending from November 1st, 1924, to October 31st, 1925. The Annual Commencement Exercises and Presentation of Prizes took place on November 14th, 1924. The attendance was good and the addresses delivered by Sir Robert Falconer, President of the University of Toronto, and by Mr. W. B. Roadhouse, Deputy Minister of Agriculture, were greatly appreciated. In his address to the students, President Falconer enjoined them to cultivate and carry on with a life full of activity and usefulness, and to spurn a life of idleness. He pointed out that simply making a living was not sufficient excuse for the pursuit of the profession with which they had identified themselves, but for them to forge ahead in the interests of science and make life really worth while. If something required to be done and done promptly it generally required a busy man to do it, thus it was generally realized that if you are busy, active, alert, and anxious to do something, that much can be extracted from life. Referring to the cosmopolitan student body of the college, he considered it a distinct advantage to all concerned, as the assembling together of students from all parts of the world brought more new ideas and wider associations that would be possible if the attendance was confined to one province. In concluding his inspiring address, President Falconer expressed the hope that each one would carry the ideals of university training with them and become strong, contented men, masters of their minds, and cultivating the best channels of education and science to further the interests of humanity. Mr. W. B. Roadhouse, Deputy Minister of Agriculture, in the course of his address, congratulated the prize-winning students and expressed the view that education, like everything else worth while, could only be acquired by painstaking and persistent efforts, associated with close study and extensive reading. He also stated that while veterinary education was in a transitory stage yet, nevertheless the basic sciences provided great opportunities for further development. In fact, a liberal scientific training was a fundamental factor in the advancement of the country as well as a determining factor in its material wealth. As a result, boundless opportunities were open to students of all the sciences to serve mankind by their diligent work, and the veterinary graduate in particular could contribute largely by safeguarding live stock development against the so-called animal plagues.

Attendance

While the last few years have been marked by a reduction in attendance at all veterinary colleges, it is gratifying to report that a slight improvement is noticeable this year. For the session which ended April 30th, 1925, a total of 62 students were in regular attendance, of which 22 were in the first year class, 13 in the second year class, 12 in the third year class, and 15 in the senior class.

Of the senior class, the 15 successful candidates were graduated with the Degree of Bachelor of Veterinary Science (B.V.Sc.) conferred by the University of Toronto at Convocation on May 1st, 1925. During the present session, which commenced on October 1st, 1925, a total of 66 students have registered, of which 21 are in the first year class, 21 in the second year class, 12 in the third year class, and 12 in the senior class. It is worthy to note that the standard of qualification for admission to the course is being well maintained and, as a result, a more suitable type of candidate is being enlisted for the profession.

The Teaching Staff

The personnel of the college staff has not been materially changed, and is as follows:

C. D. McGilvray, M.D.V., D.V.Sc., Principal: Contagious Diseases, Sanitary Service.
J. N. Pringle, M.R.C.V.S., B.V.Sc.: Sporadic Diseases, Dentistry.
R. A. McIntosh, M.D.V.: Diseases of Cattle, Obstetrics, Pharmacy, Therapeutics.
W. J. R. Fowler, V.S., B.V.Sc.: Surgery, Lameness, Materia Medica.
H. D. Nelson, B.V.Sc., D.V.Sc.: Anatomy.
R. Gwatkin, B.V.Sc., D.V.Sc.: Bacteriology, Milk Hygiene.
H. E. Batt, V.S., B.V.Sc.: Zoology, Histology, Meat Hygiene.
F. W. Schofield, B.V.Sc., D.V.Sc.: Pathology, Parasitology.
J. G. Harvey, V.S., B.V.Sc.: Canine and Feline Diseases.
L. Stevenson, B.S.A., M.S.: Physiology.
G. A. Drew, Jurisprudence.
A. L. Shepherd, Executive Clerk.
Miss A. Le Grand, Librarian and Secretary.

The Course of Study and Instruction

The curriculum is being revised from time to time as appears necessary to meet the needs. In general, the subjects taught are becoming more diversified and improvement is being made in the clinical facilities and laboratory exercises. Instruction is afforded veterinary students in the subjects of chemistry, animal husbandry, botany, English, civics and economics by the staff of the Ontario Agricultural College, and the staff of the Ontario Veterinary College give reciprocal instruction to agricultural students in the subjects of anatomy, materia medica, obstetrics and common diseases of farm animals.

The details regarding matriculation requirements, and a description of the subjects of instruction, are contained in the college calendar, which is distributed to those interested.

Research and Investigational Work

In addition to the regular class lectures, laboratory and other instructional work with students, several members of the college staff endeavour to conduct such research and investigational work as their time and opportunity permit. Reports relating thereto are appended under the departments concerned.

Extension Services

An extension service is in operation whereby veterinary surgeons and owners of animals can send specimens to the college for laboratory examination. This service is being freely availed of and a marked increase is noticeable in the number of specimens being received for examination. In each case a detailed report is sent to the one concerned. This service has been enlarged as regards the wider application of the agglutination test of blood samples for infectious abortion in cattle, for the detection of pullora infection causing white diarrhœa in chickens, and the examination of fox feces for parasitic infestations. A large amount of abortion vaccine has also been prepared for practising veterinarians on request of owners desiring to have their cattle vaccinated for infectious abortion. Likewise, a considerable quantity of avian diphtheria vaccine has been prepared and distributed for use to veterinarians desiring same.

These various activities and services are mentioned under their respective departmental headings in the subjoined reports.

All of which is respectfully submitted,

C. D. McGilvray,
Principal.

Guelph, Ontario,
October 31st, 1925.

CLINICAL DEPARTMENT

The work of this department is steadily increasing in scope and usefulness. The available cases are made use of to the fullest possible extent for instructional purposes, thus affording students a good opportunity to become acquainted with diseased conditions as they appear in animals, and the methods of care and treatment. Towards this end all animals brought to the college are carefully examined after which treatment is prescribed and operations are performed as may appear advisable. Careful hospital records are kept of all cases and the available material is drawn upon from time to time to impart instruction to the students by lectures and special demonstrations.

Several brief articles relating to interesting cases have been prepared by R. A. McIntosh, M.D.V., and are embodied as appendices in the report. The different clinical cases made use of for instructional purposes are outlined in a report submitted by the clinical department, of which the following is a synopsis:

Cattle Clinics

Number of Animals	Nature of Case	Remarks
214	Tuberculosis	5 reactors; 3 suspicious; 206 negative.
50	Sterility Clinics	Manual treatment.
3	Mammitis	Medicinal "
1	Dehorning	Surgical "
3	Abortion	" "
6	Retained Placenta	Manual "
1	Chronic Tympany	Medicinal "
1	Corneal Ulcer	" "
4	Agglutination Test	Positive 2; negative 2.
1	Monstrosity	Demonstration.
5	Dystokia	Manual treatment.
7	Supernumerary Teats	Surgical removal.
2	Examination of Seminal Fluid	Deomnstration.
1	Toxemia	Medicinal treatment.
1	Pediculosis	" application.
1	Prolapse of Vagina	Surgical treatment.
1	Pulmonary Congestion	Medicinal "
1	Shoulder Sprain	" "
5	Congenital Goitre	Treatment advised.
3	Broncho-pneumonia	Medicinal treatment.
3	Foul in the Foot	Operative "
22	White Scours	Medicinal "
2	Papilloma	Surgical removal.
1	Tympany	Medicinal treatment.
2	Carpitis	Counter irritation.
1	Lacerated Wound	Surgical treatment.
1	Chronic Pneumonia	Medicinal "
1	Gastro-enteritis	" "
1	Sprained Hock	Local "
1	Injury	Medicinal "
1	Indigestion	" "
1	Pharyngeal Abscess	Surgical "
1	Diarrhea	" "
1	Rheumatism	Medicinal "
1	Penetrant Wound	Surgical "
21	Broncho-pneumonia	Investigational.
1	Congenital Weakness	"
24	Examination for Sterility	"
1	Contusion of Sternum	Surgical treatment.
1	Abscess in Foot	" "
1	Cancer of the Eye	" "
4	Hard Milker	" operation.
4	Metritis	Manual treatment.
1	Keratitis	Medicinal "
1	Tumor of the Penis	Surgical "
5	Broncho-pneumonia	Post-mortem examination
2	Tuberculosis	" "
1	Hair Balls and Gastro Enteritis	" "

Horse Clinics

Number of Animals	Nature of Case	Remarks
8	Fistulous Withers	Surgical treatment.
4	Navicular Arthritis	Treatment advised.
1	Infection of the Foot	" "
2	Spavin	Cunean tenotomy and Periosteotomy.
5	Ring Bone	Treatment by counter irritation (firing).
1	Thrush	Surgical and antiseptic treatment.
1	Fracture of Tibia	Animal destroyed.
2	Canker of the Foot	Surgical treatment.
12	Dental Irregularities	Dental "
2	Sprain of Hock Joint	Cold water and liniment applications.
1	Flanker	Castration.
1	Quittor	Surgical treatment.
1	Arthritis	Counter irritation.
1	Rupture of Perineum	No treatment.
1	Intestinal Parasites	Medicinal treatment.
1	Chronic Diarrhea	" "
1	Unthriftiness	" "
1	Chronic Lameness	Surgical "
1	Peditis	Counter irritation.
2	Heaves	No treatment.
2	String-halt	Peronean tenectomy.
1	Chronic Indigestion	Medicinal treatment.
1	Umbilical Hernia	Surgical "
1	Chronic Gonitis with Patellar Luxation	No treatment.
5	Colic	Medicinal treatment.
1	Sitfast	Surgical and antiseptic treatment.
1	Osteitis and Splints	Counter irritation.
3	Sesamoiditis	" "
3	Serous Sac	Surgical treatment.
2	Lameness	Treatment advised.
1	Gonitis	Counter irritation.
2	Papilloma	Surgical removal.
2	Coronitis and Peditis	Counter irritation.
3	Chronic Lymphangitis	Medicinal treatment.
1	Fibro granuloma	Surgical removal.
3	Laryngeal Hemiplegia	" treatment.
4	Verrucose Dermatitis	" "
1	Collar Bruise	" "
9	Wound Treatment	
1	Exostosis	Counter irritation.
2	Diseased Molar	Trephining operation.
2	Chorea (Shiverer)	No treatment.
1	Castration	Surgical removal.
4	Injury	Hot fomentations.
2	Lymphangitis	Medicinal treatment.
1	Sternal Fistula	Surgical "
1	Synovitis	" "
1	Nasal Gleet	" "
2	Demonstration of Surgical Areas	" "
2	Poll Evil	" "
1	Check Ligament	Counter irritation.
1	Chorioptic Mange	Medicinal applications.
1	Dermatitis	" treatment.
1	Side Bone	Counter irritation.
1	Splints	" "
4	Infection of Sensitive Sole	Surgical treatment.
1	Chronic Carpitis	Counter irritation.
1	Periodic Ophthalmia	No treatment.
2	Influenza	Medicinal treatment.
2	Fracture of Os Pedis	Surgical "
1	Hydrocele	" "
2	Demonstration of Restraint	" "

Small Animal Clinics

Number of Animals	Nature of Case	Remarks
3	Fracture	Dog Surgical treatment.
50	Ovariectomy	" " operation.
8	Gastroenteritis	" Medicinal treatment.
4	Ascariasis	" " "
12	Follicular Dermatitis	" " application.
1	Lameness	" " "
1	Thyroidectomy	" Surgical operation.
9	Distemper	" Medicinal treatment.
1	Venereal Granulomata	" Surgical "
2	Dystokia	" Manual "
1	Balanitis	" Antiseptic "
3	Injury	" " "
2	Cataracts	"
1	Ascites	" Surgical and medicinal treatment.
6	Castration	"
1	Conjunctivitis	" Medicinal treatment.
6	Caudal amputation	" Surgical operation.
1	Ranula	" " "
4	Pharyngeal Abscess	" " "
7	Taeniasis	" Medicinal treatment.
1	Bowel Obstruction	" Manual "
1	Chorea	"
1	Poisoning	" Medicinal "
4	Constipation	" " "
1	Rickets	" " "
1	Paralysis Chorea	" " "
1	Eczema	" " "
1	Opacity of Cornea	"
1	Wounded by Shot	" Surgical "
5	Sarcoptic Mange	" Medicinal "
1	Laryngitis	" " "
1	Cervical Luxation	"
1	Convulsion	" " "
1	Broken Claw	" Surgical "
1	Entropion	" " "
1	Pyometra	"
1	Conjunctivitis	Ferret Medicinal "
1	Gastritis	Fox " "
1	Cancer	" Surgical "
2	Lung Worm	"
1	Penetrant Wound and Fracture	" " "
3	Ascariasis	Cat Medicinal "
8	Ovariectomy	" Surgical "
7	Sarcoptic Mange	" Medicinal applications.
2	Canker of the Ear	" " "
2	Amputation of the Leg	" Surgical operation.
3	Castration	" " "
2	Abscess of the Face	" " "
1	Injury of Foot	" " treatment.
1	Constipation	" Medicinal "
1	Fistulous Wound	" " "
1	Amputation of Claws	" Surgical operation.
1	Pharyngeal Abscess	" " "
2	Gastroenteritis	Fox Post-mortem examination.
1	Introsusception	" " "
1	Ascariasis	" " "
1	Meningitis (Ear mites)	" " "
1	Adeno-carcinoma	" " "
1	Congenital Weakness	" " "
1	Pneumonia	" " "
2	Otodectic Mange	" " "
1	Gastroenteritis	Dog " "
1	Empyemia following Distemper	" " "
8	Humanely Destroyed	"
6	Humanely Destroyed	Cat

Swine Clinics

Number of Animals	Nature of Case	Remarks
3	Broncho-Pneumonia	Medicinal Treatment.
2	Food Poisoning	" "
1	Inguinal Hernia	Surgical operation.
3	Pediculosis	Parasiticides.
1	Tuberculosis	
18	Diarrhea	Medicinal treatment.
2	Abscess	Surgical "
40	Castration	" "
		" "
1	Serous Sac	
1	Hog Flu	Medicinal "
3	Mange	" "
3	Scrotal Hernia	Surgical "
1	Agalactia	Medicinal "
2	Dystokia	Manual "
1	Umbilical Hernia	Surgical "
1	Dietetic Error	Medicinal "
3	Cryptorchidism	Surgical operation.
7	Necrotic Stomatitis	Medicinal treatment.
1	Lameness	
1	Necrotic Ulcer	Medicinal treatment.
4	Foul in the Foot	" "
4	Broncho-Pneumonia	Post-mortem examination.
2	Food Poisoning	" "
1	Pyemic Peritonitis	" "
1	Tuberculosis	" "
3	Enteritis	" "
1	Peritonitis	" "

Sheep Clinics

Number of Animals	Nature of Case	Remarks
2	Dystokia	Caesarean section.
2	Congenital Goitre	
1	Prolapse of Vagina	Manual treatment.
2	Prolapse of Uterus	" "
1	Abscess Submaxillary	Surgical "
1	Septic Arthritis	" "
1	Tetanus	Medicinal "
1	Lacerated Wound	Surgical "
1	Umbilical Hernia	" "
1	Liver Disease	Post-mortem examination.
2	Hemorrhagic Septicemia	" "
1	Tetanus	" "
1	Enteritis	" "

Recapitulation of Clinics

	Horses	Cattle	Sheep	Swine	Dogs	Cats	Foxes	Miscellaneous	Total
1925.....	132	418	17	111	156	38	15	1	888
1924.....	125	314	69	26	140	20	13	20	727

CONDITIONS AFFECTING CATTLE

R. A. McIntosh, M.D.V.

Sterility

During the past year fifty sterility clinics were conducted at the college with a good percentage of satisfactory results. Sterility in cows is a matter of considerable concern to breeders of livestock, as evidenced in an investigational visit to the herd of one breeder in which a large number of dairy type cows are kept. On this occasion twenty-four cows were examined. Of this number six were considered permanently sterile. The commonest lesion noted was cervicitis, a large number of them being affected in that way. In others a chronic metritis with a purulent discharge from the uterus was the cause of sterility. In a few, ovarian disease was diagnosed. During the examination the particulars of each case were recorded and the attending veterinarian collaborated with, regarding the best methods of handling them.

An Unusual Sterility Case

In the examination of the above-mentioned cows one was a very peculiar case.

History.—Up to about a year previous this cow had been a regular breeder, and while the date of her last service was not definitely known, it was believed that she was in calf. During the summer it was noticed that she was not doing well, that she was gradually losing flesh and that her appetite was very poor. As she was feeding on a pasture every day with other cows, no particular attention was given until about the time she should have calved. At this time the attendant made an examination and thought that she had a dead fetus in her.

On the occasion of the investigational visit an examination was requested.

Illustration showing tumour weighing 31 lbs. found on post-mortem examination of the cow. (Original.)

By this time the cow was very thin and emaciated. She resembled somewhat the appearance of a pregnant cow, her abdomen being enlarged and pendulous. Her coat was rough and staring, her appetite capricious and she did not ruminate. The passage of feces only occurred irregularly and in very small amounts. By rectal manipulation it was determined that the uterus was nongravid. Further palpation revealed the presence of a firm rounded mass lying on the floor of the abdomen. Portions of it could be grasped which felt like a fetal extremity. Extensive adhesions were present which interfered with the proper examination of this body. The possibility of an extra-uterine pregnancy was suggested and as she was in a hopeless state of health it was decided to send her to the college for further observation and examination.

After arriving at the college she lived for about two weeks. When she died she was injected with a formalin solution to preserve and fix the tissues. Following this the walls of the abdomen were carefully removed so as to expose the abnormality "*in situ.*" It was found that extensive adhesions had taken place and that the hard mass was a tumorous growth involving the colon and its mesentery. Specimens were taken for section and on microscopic examination it proved to be a fibrolipoma (a fatty tumour). Later on it was removed from the body and weighed. It weighed thirty-one pounds. The cut surface had a cheesy appearance and was of greenish-yellow colour. The tumour was in two sections and in its growth constricted the lumen of the bowel to such an extent that only small amounts of the ingesta could pass through.

Chronic Metritis

Clinic Case No. 57

History.—A valuable pure-bred Holstein cow, aged five years, had been bred as a two-year-old and produced a calf on Dec. 25th, 1922. She proved to be a high milk producer and her calf was one of exceptional merit. Following the birth of her calf she came in season regularly and was bred regularly without ever conceiving up until Dec. 2nd, 1924, when she was shipped to the college for examination and treatment. She was barren for approximately two years and during that time she had been bred to different bulls and had received treatment for her sterile condition.

Examination.—She was examined on Dec. 2nd, 1924. Her general condition was fair, although in appearance she was rather dull. She was still milking. The examination of the genital organs revealed a muco-purulent discharge from the uterus and by rectal palpation this organ was very sensitive, somewhat enlarged and inflamed. The ovaries and oviducts were apparently normal. The cervix was too open and the vagina found to contain abnormal secretions.

Diagnosis.—Sterility due to Chronic Metritis.

Treatment.—The initial treatment consisted of a vaginal douche with a normal saline solution, massage of the uterus, and manipulation of the ovaries. Three days later the uterus was irrigated with a sterile saturated boric acid solution by the use of a return flow catheter. The uterus was again massaged and treatment completed by douching the vagina. This procedure was repeated twice a week until January 13th, 1925, when it was apparent that the uterus had been restored to normal and the discharges from it had cleaned up. Following this she was shipped home. The owner was advised to dry up the milk secretion, to feed her some rock phosphate along with her ration and to breed her as soon as she came in season. He subsequently reported that she had conceived and was pregnant.

Cystic Oviduct

Clinic Case No. 85

History.—This case was in a pure-bred Shorthorn heifer of select breeding. She was two and a half years of age and had been bred repeatedly without conceiving. Accordingly she was submitted to the college for treatment.

Examination.—She was brought in and examined on December 12th, 1924. It was learned that estrum occurred regularly and in a normal manner. She was in good flesh and appeared quite thrifty. The genital organs when examined were apparently normal except the right oviduct and ovary. On palpation the oviduct was much too large and the ovary was firmly adherent to the broad ligament. The left ovary did not hang as freely as it normally should, although it was difficult to determine any serious lesion in connection with it.

Diagnosis.—Sterility due to Cystic Oviducts and inflammatory adhesions.

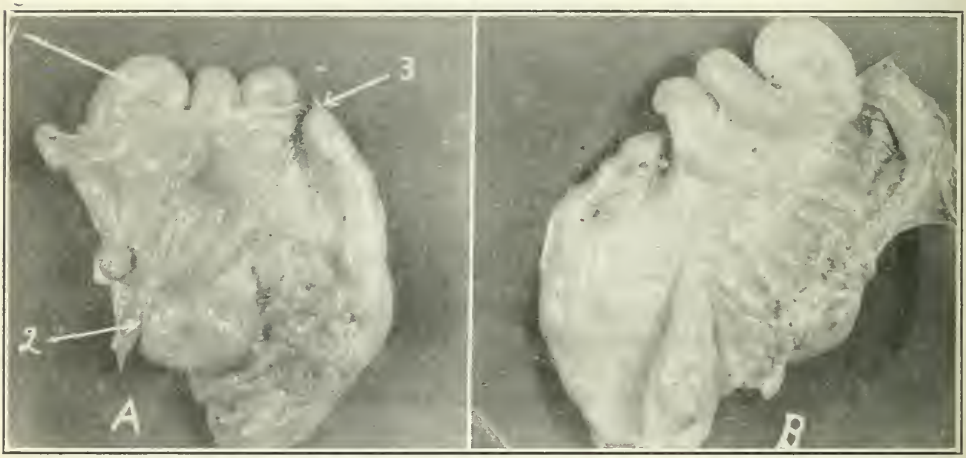


Illustration showing cystic oviducts causing sterility. (Original.)

A.—Dorsal view showing (1) cystic oviduct and adhesions.
(2) the ovary.
(3) the extremity of the uterine cornu.

B.—Ventral view of the cystic oviduct showing the enlarged tube, which is about six times the normal size.

As it was felt that she might possibly conceive from the left ovary, treatment was instituted and consisted chiefly of manipulations of the left ovary and oviduct. This was repeated once a week until January 17th, when she came in estrum. The vagina was douched with a sterile normal saline solution and in two hours she was bred. Conception did not occur at this time nor at subsequent services. Later on this animal was submitted to a tuberculin test and she proved to be a reactor. It was then decided to slaughter her, subject to inspection. Tuberculous lesions were found in one lung and also the bronchial lymph glands. This inspection also provided the opportunity of examining the genital organs to determine the cause of sterility. In this respect it was found that the right oviduct was cystic throughout its entire course and that adhesions were present involving both the oviduct and the ovary. Adhesions were also found in connection with the left oviduct and ovary although the texture of the tube was apparently unimpaired.

Tumour of the Penis in a Bull

Clinic Case No. 524

History.—This subject was a pure-bred Holstein bull eighteen months old, which had been purchased about six months previous to be used as a herd sire. He had been used for service on a number of occasions and was apparently all right. Later on, however, after service it was noticed that he would bleed from the sheath and when the penis was exposed a small tumour-like formation could be seen on the end of it. This grew and developed quite rapidly, so that ultimately he was unable to copulate and had some difficulty in urinating.

Examination.—He was placed in the cattle stanchion and given one and a half ounces of chloral hydrate with the stomach tube. In a short time, when it was evident that the chloral was affecting him and the muscles were relaxing somewhat, the tumour was exposed by shoving back on the sheath. It was found that the tumour was somewhat cylindrical in shape, about four inches long, two inches in diameter and attached by a constricted neck to the extremity of the penis. The tumour in its growth had conformed to the shape and direction of the sheath. After it was protruded the animal voided large quantities of urine, indicating that there had been considerable retention of this excretion.

Operation.—Tumour removed by resection.

Restraint.—An additional ounce dose of chloral hydrate was given, the animal placed on the operating table and a local anaesthetic administered.

Technique.—The tumour was exposed, the penis drawn out and a thick gauze tourniquet applied about four inches above the operative site. The tourniquet acted in a double capacity in that it prevented hemorrhage during the operation and also provided a means of holding the penis out. Following this the operative site was subjected to a thorough disinfection. Vulsellum forceps were used to grasp the tumour and with a scalpel and scissors its connecnection with the penis entirely dissected out. After dressing the wound antiseptically the penis was released. A slight hemorrhage followed, but in a short time stopped. Subsequent treatment consisted of irrigating the sheath with a sterile normal saline solution once daily for a few days. At the end of the week following the operation the owner was permitted to take him home.

A portion of the tumour was taken for section and microscopic diagnosis. After examination the Pathological Department reported that it was a benign growth of papillomatous character.

PERIODIC OPHTHALMIA IN HORSES

R. A. McIntosh, M.D.V.

This investigation was made on a farm near the village of Hillier, in Prince Edward County, Ontario. Two valuable registered brood mares were totally blind and three other younger animals were also affected.

The cause of this disease is not definitely known, but it seems to be intimately related to certain constitutions, soils, climates and unsanitary stabling management. It is much more prevalent in some countries than others, in some localities than others and even on some farms than others. It is believed that horses allowed to graze on low-lying, swampy, undrained pastures are more frequently affected than those grazing on upland soils. Horses stabled in damp,

close, unsanitary quarters are more susceptible to it. Hereditary influences and infectious agents may also enter into the causes.

In this instance it was learned that the previous summer these animals had pastured on low-lying bush and swamp land along the lake shore, also that during the winter they had been stabled under very unsanitary conditions. Manure and filth had been allowed to accumulate in the barn and the food and water supply for them had been grossly neglected. When a change in management was established a number of the animals were noticed with this eye affection.

The examination of these cases was conducted with the assistance of the local veterinarian and it was found that two aged mares were totally blind, a seven-year-old blind in one eye, a four-year-old blind in one eye and slightly affected in the other, and another four-year-old partially blind in one eye, her other one being sound.

Symptoms.—These varied according to the severity of the attack. In the more severe cases there was fever and the appetite was affected. In the lighter attacks a lack of vigour and energy was noticed. The local symptoms were of an inflammatory character, affecting the internal structures of the eye and ultimately producing lesions that caused blindness. During the attacks the animals manifested pain by hanging the head, keeping the eyes partly closed and by dullness. One or both might be affected. The characteristic feature of the disease was its recurrence as seen in these cases. An attack would last from seven to fifteen days. The condition would then clear up, only to recur again at variable times, but usually in about a month, hence the common term moon blindness. With each recurrence the vital structures of the eyes became more severely affected until finally the sight was destroyed.

When the cause of a disease is not definitely known it makes it more difficult to establish proper measures of control. However, in those instances where mismanagement is seen, measures should be taken to correct it.

Curative treatment is of little value, although recently it has been claimed that neoarsphenamin, an arsenical preparation, will bring about a cure in some cases. The dose of the drug is 4.5 grammes. This amount is dissolved in 30 c.c. of distilled water and it is administered intravenously.

PARASITIC SKIN DISEASES

R. A. McIntosh, M.D.V.

Parasitic skin diseases in animals, occurring as a result of infestation with various kinds of mange mites, are quite common. Even the more benign forms are frequently seen and are a source of considerable trouble to the livestock man.

Chorioptic or Symbiotic Mange of Horses

This is a form of mange which attacks the legs of horses. It is also occasionally found in the tail and mane. It is more commonly seen in hairy-legged horses than the clean-limbed types, although the latter are not immune. The condition is much more prevalent in the fall and winter months than in the summer. Cold, damp weather and unsanitary stable management favour the propagation of the parasite.

The following is submitted as an example of the condition:

Clinic Case No. 233

The subject in this case was a seven-year-old gelding of Percheron breeding. The attendant had noticed the animal scratching and biting at his legs.

Symptoms.—The hind legs were scurfy and scaly. When standing in the stall the patient would scratch one leg with the other foot. In some places the hair and a superficial layer of the skin was absent as a result of biting at the itchy parts. There was intense itchiness. The long hair at the root of the tail had been rubbed out.

Clinical diagnosis is based on the intense itchiness, the presence of a fine, mealy-like scurf in the hair of the legs, and the time of the year in which the condition appears. Diagnosis was substantiated by finding the parasites in scrapings taken from the legs, by the use of a microscope.

Treatment.—Consisted of a leg wash of a two per cent. creolin solution. After the parts were dry a liniment composed of sulphur, oil of tar, and linseed oil was applied. This treatment was applied once a week for four weeks. Continuation of the treatment for this length of time is necessary in order to kill any of the hatching larvæ.

Sarcoptic Mange in Pigs

This form of mange is quite common, more particularly in young pigs, during the winter months. If growing pigs are kept in quarters that are damp, dark and filthy, they will not do well and may develop conditions which will make them unthrifty and stunted. Such an environment favours the development of parasites, and mange mite infestation is commonly seen.

Clinic Case No. 164

The patients in this clinic were from different farms, one of them a Yorkshire pig aged four months, the other a Tamworth aged two months.

History.—The Yorkshire was one of a litter which had been shipped to the college for examination and observation to determine the condition affecting them. The owner stated that he had difficulty in raising this litter. They had become diseased, some of them died, and the rest were stunted and unthrifty. The stabling quarters were warm, but damp, poorly lighted and small. The skin was scurfy, the hair falling out, and they were very itchy.

In the case of the Tamworth pig much the same conditions existed, although the animal looked more thrifty.

Symptoms.—Intense itchiness was manifest, the animals rubbing and scratching themselves whenever they were on their feet. Scales and scabs formed on the skin all over the body. Hair fell out until there was but little left. By microscopic examination of scrapings from the skin large numbers of the parasite were found.

Treatment.—They were placed in separate pens which were dry, warm, well lighted, and kept clean. The diet consisted of skim milk, wheat middlings and a little oat chop. For the mange, an ointment consisting of sulphur one part, oil of cade one part, and petrolatum ten parts, was made. It was applied over the entire body every five days for four weeks. At the end of that time their skin was clean, the scurf and scales had disappeared, new hair was growing in nicely and they had ceased rubbing.

Like mange in horses, treatment should be continued for three or four weeks to kill parasites newly hatched. Where a large number of hogs are affected a suspension of one part sulphur in ten parts mineral oil would be less expensive and more conveniently applied by using a paint brush.

Auricular Scabies, Ear Mange of Foxes

Fox farming is being carried out on rather an extensive scale in many parts of the province. With the domestication of this animal and the necessity of keeping them confined in limited spaces a number of diseased conditions have been observed affecting them which produce considerable loss. One of the most common of these is Ear Mange.

The presence of mange mites in the ear is not so serious in itself, but if the condition is neglected and the ear allowed to become filthy and dirty with material which accumulates in it with the infestation, very often the middle ear becomes infected and an inflammation set up. An inflammation of the middle ear will cause convulsions in which the animal may die.

The symptoms first noticed are scratching at the ear, the fur being clawed out around the base of it and about the neck. With continued irritation and itchiness the animal may scratch so violently as to abrade the skin in the region. If the concha of the ear be examined, greyish flaky and scaly material can be readily observed. If some of this material is spread on black paper the parasite may be seen moving on the paper with the naked eye, but it is best examined under the microscope. The disease may never progress any further than this in many instances, but if the middle ear should become infected much more serious results follow. In some cases this will be manifested by an epileptic attack, in others the animal will walk continuously in a circle carrying the head twisted to one side, often falling over, only to continue the former course when it gets up again. The affected fox is stupefied and, with his head in that position, cannot see to eat properly. They lose flesh rapidly and soon become very unthrifty. Convulsions may appear at any time, in which death occurs.

During the past year, in order to determine the prevalency of ear mites in foxes, material from the ears of every fox brought in for clinic or shipped in for post-mortem was examined and it was found that 75 per cent. of them were affected. Foxes are sent in from all over the province and the findings indicate the widespread character of this infestation.

Fortunately treatment of this condition is attended with a considerable measure of success except in those cases where the middle ear becomes infected. Preventive measures would consist of having a routine examination made of all the foxes' ears to determine as to whether any of them are infested or not. If it is found that some of them are, they should be isolated, their pens thoroughly cleaned up and parasiticides used to destroy any parasites or parasitic larvae that may be lurking in the pens. Boiling hot water in which lye is dissolved is effectual for this purpose. The actual flame with a blow torch is also a good agent to use. The animals infested should be treated and not allowed to associate with other foxes until all danger of reinfestation is over (about four weeks). Any new animals brought into the ranch should be kept separate until it is definitely determined that they are not infested with the parasite. If it is found that the majority of the animals in the ranch are affected, a clean-up of the entire premises is necessary, together with the treatment of each individual. A suitable preparation for treatment consists of Liquor Cresolis Compositus 20 c.c., Ether and Glycerine of each 100 c.c., and distilled water to make 1,000 c.c.

In treatment the animal should be properly restrained by the use of tongs, an eye-dropperful of the solution injected into the ear and allowed to soak down into the auditory canal. Then, with a pair of forceps to which a pledget of cotton is wound, the ear is thoroughly swabbed out, removing the accumulated debris and smegma from it. This treatment should be repeated once a week for four weeks and at the final treatment a little sulphur ointment smeared into the ear and left there. The final application will be retained for some time and will cause the destruction of any parasites which may have been left. The rancher should be on the lookout for any indication of this disease at all times and, if suspicious of its presence, at once apply remedial measures.

Mange of Dogs and Cats

These animals are also commonly affected with mange mites. In the dog there are two forms frequently seen, namely, follicular or demodectic mange and sarcoptic. Of these two varieties the former is the most difficult to handle and is the source of considerable loss to dog fanciers. The sarcoptic variety, while quite prevalent, responds to treatment much more readily and effectually. The latter form has been known to be transmitted to the human being.

In the cat two forms are also seen, the sarcoptic and the otodectic or ear mange, the latter being the same parasite as that which affects ears of foxes.

DISEASES OF PIGS.

R. A. McIntosh, M.D.V.

Hog Cholera.

The following is a report of an investigation of an outbreak of disease in swine which took place on the premises of a drover near Walkerton, Ontario. A large number of these pigs had died and the owner appealed to the Minister of Agriculture for assistance to determine the nature of the condition. In accordance with this request the investigation was made.

History.—During the past eight or nine years it has been the custom of the drover to buy up a large number of feeder pigs at the time of the year when the greatest amount of buttermilk is available at the creamery. This he feeds to the pigs in conjunction with grain for the purpose of finishing them off for market. In the month of May, 1925, upwards of three hundred pigs were purchased for this purpose. Of this lot one hundred and eighteen were bought in Toronto, which had been shipped through from Winnipeg, Manitoba, fifty-six others were also obtained in Toronto, the remainder being purchased from farmers in the vicinity of Walkerton. The weight of these pigs when purchased ranged from eighty to one hundred and forty pounds.

Early in June, after commencing to fatten them, a considerable number took sick, many of which died. At this time those in attendance presumed that the sickness and losses were due to the feeding of damaged food. Following this, the owner shipped the remainder of the pigs to the Toronto abattoirs. He then purchased about two hundred more pigs. These were all bought in the district. After making some modification in the ration he started to fatten this lot and in about ten days it was noticed that these pigs were becoming affected with the disease and dying off in the same manner as the first lot. Again it was felt that

the food was at fault and samples of the buttermilk were submitted for chemical analysis. The analysis was made by the Chemistry Department of the Ontario Agricultural College and they reported that the buttermilk did not contain any ingredient likely to be harmful when fed to pigs. The mortality of the disease in this lot was higher than in the first lot. The drover also disposed of a number of these at the abattoirs and at the time of this investigation only thirty-one of them were alive. These were all manifesting symptoms of the disease.

The building in which the pigs were housed was a long narrow one of frame construction and concrete floor. There were thirty feed pens in it arranged in two rows, each one capable of holding about ten pigs. They drained to a common gutter in the centre through which all the manure was swept to a receiving tank at the rear of the building. This was carted away daily.

The food provided for the first lot consisted of oat chop, tankage and buttermilk. For the second lot, oat chop and buttermilk. The grain was chopped fine and only ground up as required. The buttermilk was obtained daily and fed fresh.

Symptoms.—The first noticeable manifestation of the disease was that the pigs would become dull and listless. They would hang their heads and appear greatly depressed. Their appetites were poor and they lost flesh rapidly. In many cough was a common symptom. The eyes became reddened and inflamed, discharging a tenacious mucopurulent material which glued the eyelids together. Dark red discolouration of the skin along the belly, under the neck, around the ears and on the legs was seen in all cases. On the legs necrotic ulcers were quite prevalent. They became very weak, would stagger when forced to move, and their temperature was very high. The duration of the disease was from one to three weeks.

Post-mortem Examination.—Two sick pigs were killed and examined. Seven which had died after 3 o'clock the previous afternoon were also examined.

Skin.—All of the pigs on which a post-mortem was held showed areas of red discolouration and in many cases necrotic ulcers were also seen.

Abdominal Viscera.—In a number of them petechial hemorrhages were seen on the peritoneum, on the kidneys, on the spleen and also the intestines. Gastritis was common, enteritis with newly formed ulcers in some. A considerable number of ascarides were found in five of the pigs.

Thoracic Viscera.—A pneumonic condition was seen in a number. The area of the lungs involved varied considerable in different cases and was very often associated with pleuritic adhesions. Petechial hemorrhages on the heart, pericardium and pleura were also present.

Lymphatic Glands.—In every instance the lymphatic glands, especially those related to the seat of the disease, were markedly inflamed and hemorrhagic.

The history of this disease, its manifestations while the animals were sick and the lesions noted on post-mortem examination indicated a disease of an infectious character such as hog cholera.

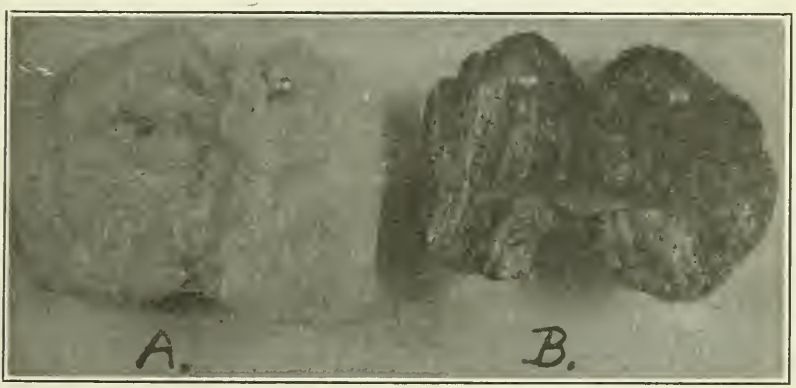
For further investigational purposes one of the sick animals was obtained, placed in a crate, brought to the college at Guelph and isolated in the anatomical laboratory of the institution. Here, with the collaboration of other members of the staff, it was decided that the disease was hog cholera.

In order to substantiate the findings a healthy pig was placed in the pen with the diseased one, kept under the same conditions and allowed to feed from the same trough. In addition to the foregoing 5 c.c. of blood was taken from the diseased animal and injected into the tissues of the experimental pig. The diseased animal died one week from the date it had been placed under observation.

The temperatures and clinical manifestations of both the diseased and the experimental pig were recorded daily during that time.

Diseased Pig			Experimental Pig		
Date	Hours	Temperature	Date	Hours	Temperature
July 10th.....	11 a.m.	107.2	July 10th.....	11 a.m.	102.6
July 11th.....	9 a.m.	106.8	July 11th.....	9 a.m.	102.6
	4 p.m.	107		4 p.m.	103.2
July 12th.....	9 a.m.	107.2	July 12th.....	9 a.m.	103.5
	4 p.m.	108.2		4 p.m.	104.8
July 13th.....	9 a.m.	107.2	July 13th.....	9 a.m.	103.5
	4 pm..	107.2		4 p.m.	104
July 14th.....	9 a.m.	105.6	July 14th.....	9 a.m.	103.5
	4 p.m.	106.8		4 p.m.	104
July 15th.....	9 a.m.	Pig Died	July 15th.....	9 a.m.	103
				4 p.m.	104
			July 16th.....	9 a.m.	Pig Died

Illustration of kidney from pig showing the hemorrhagic spots characteristic of hog cholera. (Original.)



A.—Illustration of normal grey coloured submaxillary lymph gland from a healthy pig.
B.—Illustration showing the difference in the appearance of the submaxillary gland in the case of hog cholera. Notice the dark hemorrhagic appearance of the gland from the diseased pig in comparison with the light appearing gland of a healthy pig. (Original.)

The symptoms observed in the diseased pig were similar to those previously described. Following its death a careful post-mortem was performed and the lesions noted. These were typical of the post-mortem findings usually recorded in cases of hog cholera, the kidneys showing petechial hemorrhages so commonly seen in this disease and the lymphatic glands were markedly inflamed and hemorrhagic. The lungs in this case were involved in a pneumonic condition. During the course of the post-mortem 10 c.c. of fluid found in the thoracic cavity of the diseased pig was taken and injected into the experimental pig. The following morning this animal was dead also. The post-mortem examination of the experimental pig revealed the fact that it was rapidly developing the disease, the injection of the highly virulent exudate no doubt causing death prematurely. The lesions noted were gastritis, acute nephritis and inflammatory lymph glands.

The history of this outbreak, the manifestations of the disease, the post-mortem findings, and the observance of the cases recited would lead to a diagnosis of hog cholera. The production of the disease experimentally substantiates the findings as to its being transmissable and contagious.

Diarrhea in Young Pigs.

Scours is a very serious ailment of pigs and is responsible each year for large losses in new litters.

Causes.—The condition may occur as a result of improper care both of the mother and the litter. When seen in very young nursing pigs it is obvious that some element of faulty nutrition must be the cause. Litters which are kept in damp unsanitary quarters and deprived of sunshine and exercise are liable to be affected. Exposure to inclement weather increases their susceptibility. In some instances dietetic errors are entirely responsible.

Symptoms.—The chief manifestation is the profuse diarrhea. The discharge from the bowels is of a thin fluid-like character, grayish yellow in color, and of a very foul odour. At first the appetite is not badly impaired but in a day or two the pigs affected stop nursing or eating and rapidly lose their flesh and strength. As a rule the younger the pigs are, the greater the number of losses experienced.

The following cases in two litters are submitted as examples of this condition:

Clinic Case No. 263

History.—This outbreak was in a litter of nine pigs from a valuable pure-bred Berkshire sow. They were about ten days old and had been thriving up till this time. All of the litter were affected and while profuse diarrhea was evident nevertheless they appeared quite bright and lively at the time of examination. The quarters in which this sow and her pigs were kept were quite suitable and it was felt that some abnormality in the sow's milk was responsible for the condition. The ration which was being supplied for her consisted of skim milk and oat chop. This would seem to be a suitable diet for a nursing sow. It was learned, however, that occasionally the milk was kept for a considerable length of time and on some occasions got very sour.

Treatment.—The pen was thoroughly cleaned out, slaked lime sprinkled on the floor and fresh bedding put in. A box containing a mineral mixture for the sow was removed from the pen. No attempt was made to administer medicine to the little pigs. A radical change was made in the diet of the sow, the aim being to so alter the character of the milk as to control the diarrhea. The skim milk and oat chop was prohibited and she was given nothing but a limited amount of lime water to drink with flour and wheat middlings as a grain ration. In twelve

hours a marked difference was noticed in the stools of the pigs and in twenty-four hours the diarrhea had disappeared. Following this, the former ration was gradually resumed with the addition of a small amount of middlings.

Clinic Case No. 375

History and Symptoms.—In this instance seven pure-bred Tamworth pigs were affected. They were eight weeks old and had been weaned. They were being fed on skim milk and a light grain ration and had recently been turned out on pasturage. Previous to the occurrence of the disease they had been given an excessive amount of old sour milk. These animals were very seriously affected, one of them having died. The remainder were weak and greatly depressed with excessive purgation.

Treatment.—They were placed in a clean, dry, comfortable pen and the attendant instructed not to feed them anything except a little wheat flour in lime water. The following mixture was given in dessert-spoonful doses every two hours with a dose syringe:

℞

Pulv. Creta Preparatae
Pulv. Catechu ..... aa ounces 1½
Spts. Ammon. Arom ..... ounces 1½
Tinct. Opii ..... ounces 2
Aqua qs. ad ..... ounces 8

The following morning they appeared much brighter and the diarrhea was checked.

Remarks.—In both of these outbreaks corrective measures were established early and proved effectual.

CONGENITAL GOITRE OR GOITRE OF THE NEW-BORN.

R. A. McIntosh, M.D.V.

During the spring of 1924 a number of stockmen in the vicinity of Guelph enquired at the college regarding this condition in calves and also in lambs. It is known to appear in colts, calves, lambs, pigs and pups. The affection occurs more frequently in certain localities than in others, in some seasons more than others and is occasionally seen in new-born animals on farms where there was no previous history of it.

The term goitre is applied to an enlargement of the thyroid body. The thyroid is an endocrine gland which secretes certain substances that are essential to the normal development of the body. It consists of two lobes, one lying on either side of the trachea with a connecting isthmus between. In animals they are located on the lower side of the neck close to the region of the throat.

If for any reason the secretion of the thyroid is lacking either in the developing fetus or in the animal after it is born certain manifestations present themselves. These are of a character that indicate an interference with metabolism. Young pigs are born without any hair, their skin is dry on the surface but feels doughy and edematous. Very often they are still-born or if not, in many instances, die soon after birth. An enlargement in the region of the neck in these cases is usually seen, indicating the degenerate gland. With lambs much the same symp-

toms are seen. What wool they have is more in the form of coarse, dry hair. If alive, they are usually very weak. In calves and foals the mortality is perhaps not so high, but they too are weakly, do not thrive well and are more susceptible to other forms of disease. Invariably in all these animals the gland can be palpated and found to be greatly enlarged, giving rise to the common term, big neck. In the human congenital deficiency in thyroid secretion produces cretinism. The whole development of a cretin is abnormal and stunted, the skeleton and the nervous system being particularly affected. The cretin is a semi-imbecile dwarf, with protuberant abdomen, coarse hair and thick skin.

The influence the secretion of the thyroid has over the development of the body depends chiefly upon its active principle known as thyroxin. Thyroxin contains 65 per cent. of iodine. The concentration of iodine in fresh thyroid varies from .01 to .1 per cent. Iodine can be found only in very minute traces in

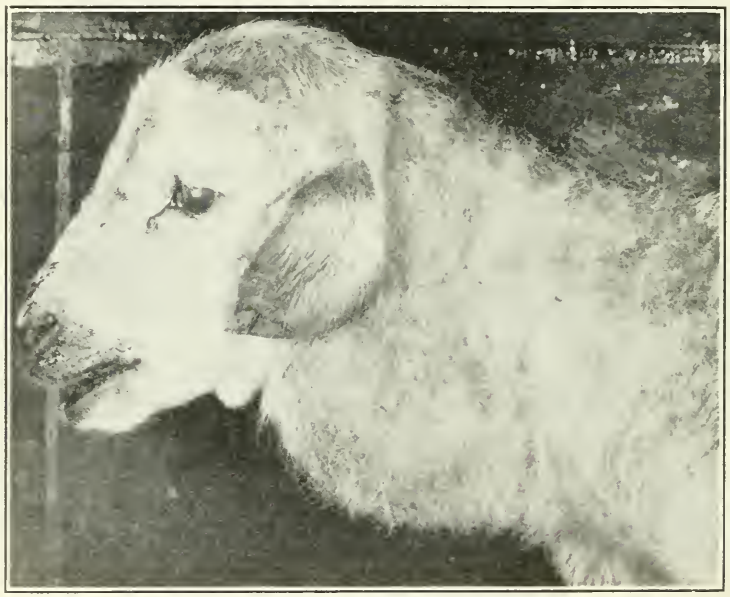


Illustration showing the characteristic enlargement of the neck in cases of goitre in new-born lambs. (Original.)

any other tissue of the body, in about one part in a million in the blood. The thyroid, therefore, contains most of the iodine in the body and stores up a high concentration of it. The iodine content of the thyroid is dependent upon the quantity taken in with the food and when iodides are administered the gland very quickly increases its iodine content.

The normal development and the maintenance of normal functions of the body are entirely dependent upon the internal secretion of the thyroid, and this secretion can only be formed when food contains a certain quantity of iodine.

In localities where congenital goitre is prevalent it has been demonstrated that it can be prevented by supplying iodine in the food. It does not require large amounts, the constancy of the supply being more important. It is therefore evident that one cause of endemic goitre is due to a lack of iodine in the food produced in certain regions.

On farms or in districts where the condition is known to occur, livestock men may prevent it by supplying their animals with iodized salt or by feeding

the iodide of potassium to their animals at regular intervals. This procedure is more particularly applicable to breeding females, who during the pregnant state are required to supply an extraordinary amount of those elements necessary for the development of a fetus within them.

The following amounts of potassium iodide administered to cows, sheep and sows during the gestation period would be sufficient to prevent the occurrence of congenital goitre in their offspring. For cows 30 grains monthly, for sheep 6 grains monthly, for sows 3 to 6 grains weekly, depending on their weight.

DEPARTMENTS OF HISTOLOGY AND APPLIED PATHOLOGY.

As heretofore the work of these departments is that of the instruction of students in Zoology, Embryology, Histology, and Meat Hygiene, together with the usual routine work as carried out in the pathological laboratory of the college. Such work comprises the preparation of material for teaching purposes and also the examination of specimens and tissue that are forwarded to the College from time to time by stock owners and veterinarians.

Below will be found a table setting forth the various diseases dealt with and the number and kinds of animals involved.

Nature of Case	Cattle	Sheep	Horses	Swine	Dogs	Cats	Foxes	Rabbits	Fowl	Total
Tuberculosis	4								6	10
Tumours	9		5		3		1		18	36
Pneumonia	5	5		7		1	7	2	1	28
Examinations for Parasites	2	3	2		19	2	147		10	185
Sweet Clover Poisoning	3									3
Intestinal Disease	2		1	5	4		14		2	28
Abscess Formation	3									3
Joint Ill	1									1
Nephritis	1				1					2
Goitre				1					1	2
Metritis	2							1		3
Actinomycosis	1									1
Johne's Disease	1									1
Pericarditis	1									1
Hemorrhagic Septicemia	2									2
Mastitis	9									9
Anthrax	1									1
Tissues from Operations	2		4		4		1			11
Examination of Pus	4		2		3				1	10
Examination of Meat	1			4					3	8
Hog Cholera				2						2
Mange			3		4	1	6			14
Abortion	3		1							4
Miscellaneous	10	3	6	3	4	1	4		8	39
Total	67	11	24	22	42	5	180	3	50	404

During the year further studies have been made of the normal histology of the domesticated fowl by H. E. Batt, B.V.Sc., of this department, and are included in the report as appendices.

A FURTHER STUDY OF THE NORMAL HISTOLOGY OF THE DOMESTIC FOWL.

H. E. Batt, B.V.Sc.

This article is a continuation of that which is to be found in the Ontario Veterinary College Report for the year 1924.

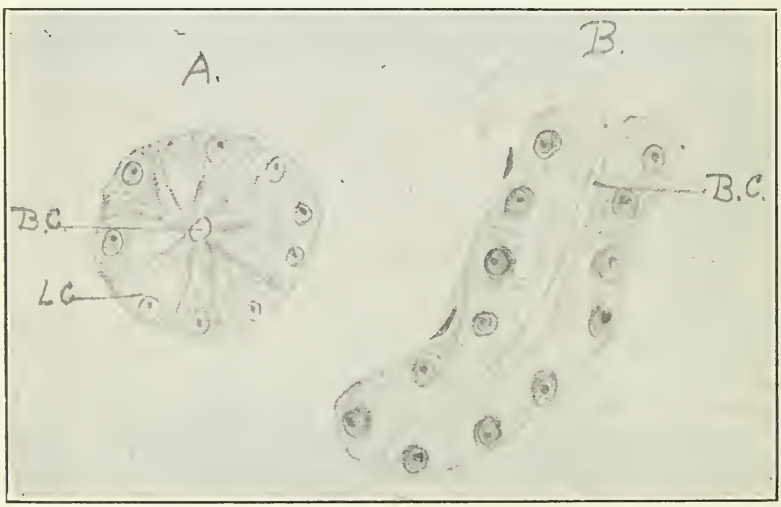
The Liver.

Anatomically the liver of the domestic fowl is very similar to that of mammals. The organ in the bird is lobed and is divided into two distinct halves, these being connected by a broad mass of hepatic tissue in the form of an isthmus. The right half of the organ presents one large lobe together with two small indistinct ones. On the posterior surface of the large right lobe, and partly embedded within it, is the gall bladder, which is an elongated sac whose posterior two-thirds project from the liver substance and is attached to the duodenum by a mesentery. The left half of the liver presents two well-marked lobes and two indistinct ones.

The large vessels, the portal and hepatic veins enter and leave the liver in the same manner as occurs in mammals.

The Liver Capsule (*Glisson's Capsule*).—The capsule of the bird's liver is thinner and more delicate than is that of the mammalian liver. In the livers of mammals, notably that of the pig, fibrous tissue strands from Glisson's capsule enter the liver with the hepatic vessels, and from the surface of the organ this fibrous tissue is distributed throughout the substance of the liver, forming a more or less well-marked reticulum of supporting tissue, particularly about the periphery of each lobule. The liver of the bird contains little fibrous tissue, thus the outlines of the lobules are very indistinct.

The Liver Lobule.—While the outline of the avian liver lobule is indistinct, the histological features, with certain modifications, are similar to those found



Avian Liver Cord. (Original drawing.)
A.—Cross section.
B.—Longitudinal section.
B.C.—Bile capillary.
L.C.—Liver cell.

in the mammalian liver. A portal system and a central vein are present. The central veins of the lobules are very prominent, their lumens being lined with a delicate endothelium that is continuous with the lining of the sinusoids (intralobular veins). Portal systems are present at the periphery of the lobules comprising a well-marked hepatic vein (interlobular branch), a bile duct, and a branch of the hepatic artery. The bile duct is small and is often difficult to locate. Perilobular bile capillaries are present but appear to be less prominent than in the mammalian liver. The larger bile ducts are lined by a simple epithelium somewhat cuboidal in form while the epithelium of the smaller perilobular bile ducts is low cuboidal.

The Liver Cells.—The arrangement of the hepatic epithelium in the avian liver is of a more primitive type than is that found in the mammal, being distinctly reptilian. A cross section of an avian liver cord shows that the columns are arranged in a tubular manner about a well-marked intralobular bile capillary. In the mammalian liver this central bile capillary of the liver cord is very difficult to demonstrate. In longitudinal section the avian hepatic cords have the appearance of alveoli, there being a well-defined bile channel occupying the centre of each cord of liver cells.

The Liver Cell (Hepatic Epithelium).—The avian liver cell is large when compared with that of a mammalian liver. Its nucleus is large and round and it occupies the outer (distal) third of the cell. The hepatic cell is somewhat triangular in outline with its base (in which portion of the cell is the nucleus) forming part of the wall of a sinusoid, the apex of the cell being in contact with a central bile capillary. The cytoplasm of the avian liver cell is somewhat granular. There is no distinct line of division between adjacent cells, there being no well-marked cell membrane. The distal portion of the cell bulges slightly into the adjacent sinusoid.

The Sinusoids (Intralobular Veins).—These, in the avian liver, are wide blood channels between the cords of liver cells. The avian sinusoid is well marked, giving a section of liver the appearance as of a large number of cell groups somewhat isolated one from the other. In the mammalian liver the sinusoids are narrower than is the case in the avian. The sinusoids anastomose freely and their points of entry into the central vein are more distinct than is the case in the mammalian liver. A delicate endothelium clothes the walls of the sinusoids. Beneath the endothelial layer are some scattered connective tissue cells. These form the reticulum of the liver which, in the bird, is very scant. In some cases the shape of certain of these connective tissues are distinctly stellate, resembling the cells of Von Kupfer in the walls of the sinusoids of the mammalian liver.

The Pancreas.

The avian pancreas is a well-developed organ, its anatomical position being identical with that of the mammalian pancreas, viz., in the mesentery between the curve of the duodenum. In the bird the pancreas is elongated, smooth, grey-white in colour and is divided into long lobes that are arranged about a central axis. Two of the lobes are larger than the other two so that they enfold them after the manner of the leaves of a book. The main pancreatic ducts run the length of the organ at the junction of the lobes and open into the duodenum by one or more orifices close to the mouth of the bile duct.

The pancreas is covered by a delicate capsule of fibrous tissue and peritoneum. The lobes of the avian pancreas are not as distinctly lobulated as are the lobes in the mammalian pancreas, there being very little intralobular connective tissue present.

The duct system of the avian pancreas is very similar to that found in the mammalian organ. The main duct is lined with simple columnar epithelium. The walls of the duct contain involuntary muscle. From the main duct arise lateral branches that enter the substance of the gland. (These are analogous with the interlobular ducts of the mammalian pancreas.) The intralobular ducts are very short, being transformed into intermediate tubules at their entry into the lobule. These intermediate tubules are very slender and are lined by a simple flattened epithelium. They branch freely and at their distal extremities are found the pancreatic acini.

The Acini.—The acini or alveoli of the avian pancreas are very similar to those of the mammalian pancreas. The secreting cells are tall, irregular and columnar in type. They are not so broad at their basal end as are the cells in the mammalian acinus. The nucleus lies in the basal end of the cell, being surrounded by reticular protoplasm. The cytoplasm of the distal two-thirds of the cell contains zymogen granules, the number of which depends upon the activity of the gland at the time of death. If the bird is killed in a fasting condition, the zymogen granules will be very numerous. At the basal end of the acinar cells are found scattered basket cells forming a reticulum about the basement membrane. A delicate network or stroma of fine connective tissue invests the acinus. In this stroma are found capillary blood vessels.

The Pancreatic Islands (Islands of Langerhans).—Within the lobules of the avian pancreas are found scattered spheroidal collections of polyhedral epithelial cells that lie among the acini in the inter-acinar connective tissue. These are the so-called pancreatic islands. The cells of the islands are arranged in irregular anastomosing cords between which are wide blood channels or sinusoids whose walls are exceedingly thin, so that the blood is in close contact with the epithelium of the island. The cells of the avian pancreatic island appear smaller than those of the mammalian, but the structure of the island is similar in both mammals and avians. As far as can be judged the number of islands is much the same in both the avian and mammalian. Each island is invested with a delicate capsule of fibrous tissue.

The Respiratory Organs.

While the arrangement of the respiratory organs in the fowl is similar to that of the mammal, there are certain anatomical and histological differences, the most noticeable of which is that the avian lung is a more primitive structure than is that of the mammal.

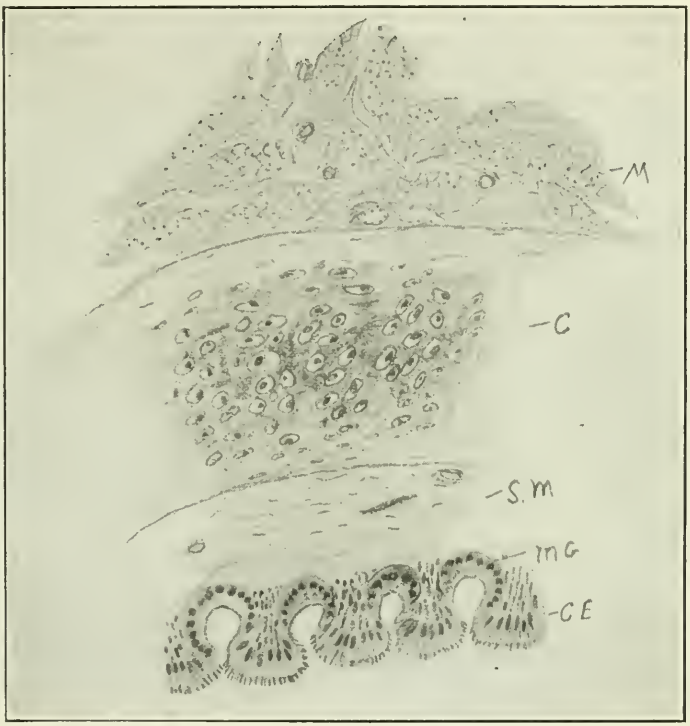
The Trachea.—The trachea of the bird is a long tubular structure at the upper end of which is the larynx, while at the lower end, at the bifurcation of the bronchi, is found the syrinx or voice box.

The laryngeal opening into the pharynx is large. The tracheal rings are complete, their ends meeting in close apposition on the posterior aspect of the organ. The walls of the avian trachea are thin and easily compressed. Shortly after entering the thorax the trachea bifurcates, giving rise to the two bronchi. Between the bifurcation of the bronchi passes the esophagus. After passing backwards for a short distance, each bronchus enters the lung in conjunction with branches of the pulmonary vessels.

A cross-section of the trachea, when examined microscopically, shows a histological arrangement similar to that of the mammalian trachea, there being three layers, viz., an outer layer of fibrous tissue and muscle, a middle cartilaginous, and an inner mucous layer.

The Fibrous Layer.—The fibrous tissue in the outer layer, which serves to bind the organ to adjacent structures, is composed of a delicate network of white fibrous connective tissue. The muscle layer, which is external to the cartilage, is composed of voluntary muscle. The muscle fibres run longitudinally. This muscle surrounds the trachea, being thicker on the lateral sides of the organ. There is no involuntary muscle present in the fowl's trachea.

Cartilage.—The walls of the trachea contain plates or rings of hyaline cartilage, the ends of which overlap each other for about one-quarter of their circumference. The external perichondrium of each cartilage ring is well marked.



Avian Trachea. (Original drawing.)

M.—Muscle. S.M.—Sub-Mucosa.
C.—Cartilage. M.G.—Mucous gland.
C.E.—Ciliated Epithelium.

Mucous Membrane—Sub-mucosa and Tunica Propria.—These two structures blend together, there being no muscularis mucosae present. They are composed of a light network of white fibrous tissue whose fibres run longitudinally. In the deeper layers of the sub-mucosa the blood and lymph vessels are numerous. A few wandering cells (lymphocytes) are present.

Epithelium.—The epithelial coat is folded into many shallow crypt-like structures. There is a well-marked basement membrane just beneath which are found groups of wandering cells. Two types of epithelia are present. On the surface of the folds, between the crypt-like openings, the epithelium consists of a simple layer of columnar ciliated cells on whose distal margin is a well-marked cuticular border from which springs the well-marked cilia. At the basal end of the cell the cytoplasm is faintly granular, while the cytoplasm of the outer third

is homogeneous in structure. The nucleus is prominent and occupies the middle portion of the cell. The simple epithelium of the surface is continued down into the crypt-like openings for a short distance, when they are replaced by a cell that is distinctly mucous in type. The mucous cells of the crypts are simple columnar arranged in a glandular manner. The bottom of the crypt forms a distinct sac or fundus. These mucous glands are not deep but are rather in the nature of infoldings of the surface epithelium.

The Lung.—The avian lungs occupy the antero-superior portion of the body cavity, being intimately attached to the ribs and to the sides of the vertebrae, so that, when the body cavity of the bird is opened, the lungs of the bird do not collapse, as is the case in the mammal. In the bird, the right and left lungs are distinctly separated one from the other by the bodies of the vertebrae. Posterior to the lungs are found the thin-walled air sacs. These line the roof and sides of the body cavity, communicating with each other and with the lungs by means of ducts.

Each half of the lung is composed of a single lobe, the superior surface of which is convex, and bears three deep indentations in which lie the second, third and fourth ribs. The lung is closely attached to the roof of the body cavity and to the ribs by many strands of fibrous tissue that pass from the visceral to the parietal pleura, so that each lung is immovable and unless disturbed does not collapse.

The bird's lung is soft and easily torn, bright red in colour and very vascular. If removed from its attachments in a fresh state, and before fixation, the organ collapses into small compass. On cross-section the avian lung is somewhat triangular in outline with the base directed towards the vertebrae. The apex or outer border is thin and is attached by fibrous tissue strands to the sternum. The ventral surface is flattened and on its anterior third will be found the point of entrance of the bronchi and pulmonary vessels. There are air sacs on the ventral surface of the lung.

Each lobe is composed of a number of large lobules, the outlines of which are distinctly visible to the naked eye, there being a light connective tissue septum separating adjacent lobules. In these septa run the pulmonary blood vessels. These last, being large, assume in the fresh lung the appearance of blood sinuses or channels, separated one from another by elongated masses of lung substance.

On entering the lung the bronchus breaks into a number of secondary bronchi that ramify throughout the organ. From these last, branches are given off that enter each lobule.

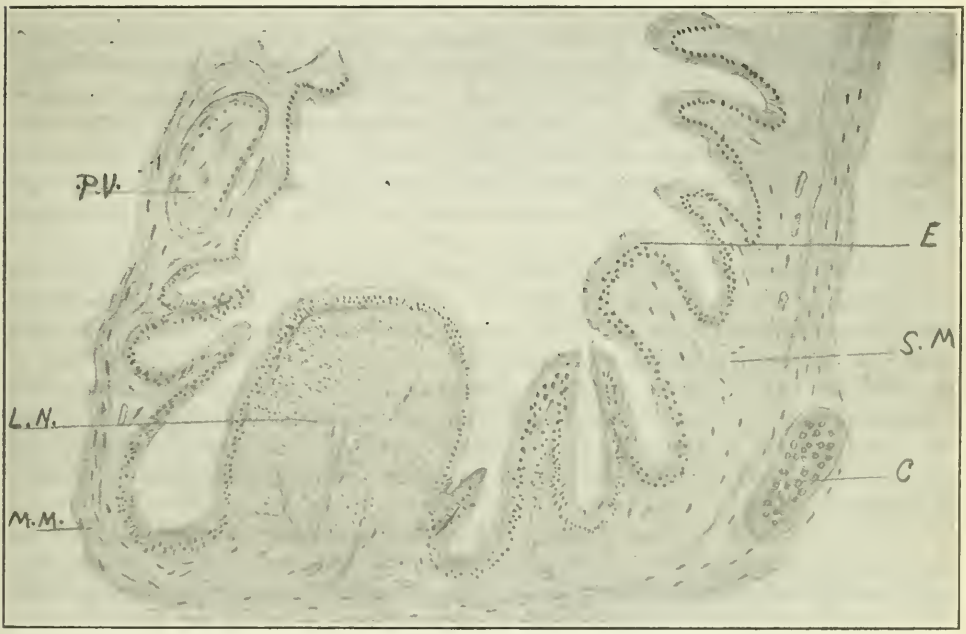
The Bronchus.—The anatomy and the histology of the avian bronchus varies somewhat from the arrangement found in the mammal. The avian bronchi ramify, in the inter-lobular connective tissue along with branches of the pulmonary vessels, in a manner similar to that in the mammalian lung. In the mammalian lung the bronchi branch again and again, becoming smaller as they approach the terminals. In the lung of the bird the bronchi maintain their size and do not branch to any great extent. The terminal bronchi appear almost as large as the primary ones. This effect is brought about by the thinning of the bronchial walls, while the lumen of the tube remains about the same diameter. At its entrance into the lung, and for a short distance along its course, there are cartilaginous plates embedded in the bronchial wall. In the mammal these are continued for some distance. In the fowl, however, the cartilage is not continued very far. In fact, unless the section is from the region about the hilus, little or no cartilage will be observed even in the walls of the larger air ducts. Cartilage, when present, is found in the form of a single plate placed longitudinally in the

bronchial wall, and not in the form of circularly arranged masses as in the mammalian lung.

A cross-section of an avian bronchus will present the following structures: (1) an outer fibrous layer, (2) a muscular layer (muscularis mucosae), (3) a mucous layer.

The Fibrous Layer.—A narrow network of white fibrous tissue, in the meshes of which are wandering cells. At the point in the bronchial wall where cartilage is found, this fibrous layer broadens out to surround the cartilage. In the outer fibrous layer are found the branches of the pulmonary vessels.

Muscularis Mucosae.—This, in the larger bronchi, consists of a layer of involuntary muscle cells arranged in a circular manner. In the terminal bronchi the muscle layer is thicker and more prominent.



Avian Bronchus. (Original drawing.)

P.V.—Pulmonary Vessel.
L.N.—Lymph Node.
M.M.—Muscularis Mucosae.
É.—Epithelium.
S.M.—Sub-mucosa.
C.—Cartilage.

Tunica Propria.—Light, white fibrous connective tissue in which are wandering cells and scattered lymph nodes. There is no well-marked layer of elastic fibres as in the mammal. The lymph nodes are found scattered along the walls of the bronchi just beneath the epithelium. The tunica propria is rich in capillary vessels.

Epithelium.—The epithelium of the bronchus is folded into shallow crypt-like structures similar to those described in the trachea. The surface epithelium is simple columnar bearing cilia that spring from a well-marked cuticular margin. In the depths of these crypt-like folds, the cells, while being still columnar, are non-ciliated and are distinctly mucous in type, their nuclei being close to the basal end of the cell, while the cytoplasm stains with a bluish tinge particular to mucous containing cells.

The Terminal Bronchi.—In the avian lung these are short, wide ducts into which open the central or alveolar ducts of the lobules. The wall of the terminal bronchus is thin, containing the same structures as that of a primary bronchus, viz., a fibrous layer, a muscular layer, and an epithelial coat. The fibrous layer is thin and contains no cartilage. The muscular coat is well marked and is thicker than is that of the primary bronchus. The epithelial coat is not folded and consists of a single layer of low columnar epithelium. Beneath the epithelium are many wandering cells.

The Lung Lobule.—The mammalian lung lobule is a small pyramidal structure with a terminal bronchiole entering at the apex. The avian lung lobule is large and elongated with a wide duct passing down the centre. At the proximal portion of each lobule is the entrance of a branch of a terminal bronchus. On entering the lobule this broadens out to form a wide central or alveolar duct from which are given off the alveoli of the lobule. The central duct of the lobule is lined with a single layer of flattened, non-ciliated epithelium beneath which is a well-marked layer of involuntary muscle arranged in a circular manner.

The alveolar sacs are arranged about the alveolar duct in a radiate manner. About the mouth of each alveolar opening are well-marked muscle fibres. The walls of the alveolar sacs are thin, the sac being lined with a thin, flattened epithelium (respiratory epithelium) similar to that found in the same structures in the mammalian lung. From each alveolar sac open a number of pulmonary alveoli or air cells.

The manner in which the air cells and alveolar sacs are arranged gives the avian lung lobule a peculiar appearance. A cross-section of a lobule shows the wide central duct around which are grouped the alveolar sacs, the air cells being in a zone about the periphery of the lobule.

The Air Cells.—These are most numerous in that portion of the lobule that is most vascular, that is, the outer portion. The walls between adjacent air sacs are thin and very vascular. The respiratory epithelium is a single layer of thin squamous cells. There is little fibrous tissue in the avian lung, elastic tissue is not present.

The Blood Supply to the Lobule.—About the periphery of each lobule in the inter-lobular connective tissue run wide blood channels from which are given off numerous branches that enter the lobule and ramify as capillaries in the walls of the air sacs. These wide interlobular blood vessels can be readily seen in a fresh avian lung with the naked eye. The periphery of each lobule is much more vascular than is that portion surrounding the central duct.

A NOTE ON THE PREVALENCE OF INTERNAL PARASITES IN FOXES.

H. E. Batt, B.V.Sc.

During the past year a large number of fox ranchers reported losses among their animals, and the college laboratories received inquiries as to the causes of death and disease among foxes. Specimens were sent in for examination and diagnosis. This material varied from living foxes to the organs of dead animals. In many cases the cause of death was determined and reports and suggestions as to future care were forwarded to the parties concerned. A study of our records shows that distemper, dietetic diseases, and parasitic invasions are probably the

most serious menaces the fox rancher has to deal with. The following note is based upon a study of the laboratory records for the past year, which show that parasitic invasions are very common among foxes, indeed much of the material forwarded to the college was feces from foxes whose owners suspected the presence of parasites in their animals.

The fox ranches from which the material was gathered are scattered over the province, so that the findings may be considered to be fairly representative of conditions throughout Ontario. Our experience has been that few samples are free from the ova of intestinal or lung parasites. Many ranches are badly infected and it is doubtful if there is any ranch on which a number of foxes are kept that is entirely free from parasites.

The control of internal parasites in foxes is a serious problem and one that may become more serious and demand closer attention as time goes on, because the longer infected foxes are kept in more or less confined pens the more contaminated with parasite ova will the earth of the pens become. Many adult foxes harbour parasites without any very serious consequences resulting. It is among the younger animals that the ravages of parasites are most apparent.

The fox is liable to become infested by several kinds of internal parasitic worms. In Ontario there seems to be three species of worms common to foxes. There may be only one kind of parasite infesting the animals on a given ranch, or, as frequently happens, all three kinds may be present. The three worms commonly met with are: (1) The round worms (Ascarides, Belascaris marginata, B. cati), (2) Hookworms (Ancylostoma caninum), (3) Lung worms (Eucolius aerophilus).

Of the above we have found the ascarides less frequently than the other two. This may be due in part to the fact that they are more easily expelled. It is also possible that the various medicinal remedies, commonly used by ranchers in an effort to control internal parasites, are more effective in expelling the ascarides than the other species.

Hookworms are very common and are responsible for intestinal trouble and often death, especially among young animals. The hookworm is very small and can easily be overlooked at post-mortem.

Lung worms are most difficult to control. Up to the present time no medicinal agent is known that will eradicate them from the lungs. The best way to combat lung-worm infestation is to segregate infected animals and to gradually eliminate them from the ranch, at the same time using thorough methods to disinfect infected pens before other foxes are placed therein.

The parasites in question are spread from one animal to another by means of the soil that has become contaminated by the droppings from infected animals. It is probable that direct infection does not take place, as it is known that the eggs of most, if not all the internal parasites, must go through a certain development either in another animal, often of a totally different species, or in or upon the ground. After a certain period the eggs or larvae, if swallowed by a suitable animal (in this case a fox), will develop into the adult parasite.

With these few facts in mind it can readily be seen that it is unwise for the fox rancher to rely exclusively on internal medication when fighting these pests. He must bear in mind that the soil of the pens is the abiding place of the eggs and larvae and must take measures to insure that these eggs and larvae are killed before placing clean animals in pens that have contained infested foxes. The eggs of the internal parasites will live for months in damp soil, freezing does not kill all of them, although, of course, low temperatures will inhibit or prevent development taking place for the time being, but so soon as warm weather comes,

development within the eggs begins. The best agents to make use of in cleansing the soil of parasite eggs and larvae are drying, sunlight, and quicklime, with constant stirring of the top layer of soil, or better still, removal of the top few inches of earth from the run.

Pens that have contained infested animals should be kept empty for some months during the summer time. The eggs will not retain their vitality for long periods of time, but to make certain, the pens should be kept empty for six months during summer, by which time it is probable that all the eggs and larvae will have perished.

The method used in the college laboratories for detecting the ova of the internal parasites in fox feces has been found to be satisfactory by many workers. The fecal matter together with a little water is well ground up in a mortar to about the consistancy of thin cream. The mass is then passed through a wire gauze to remove grit and larger particles. About 8 c.c. of the filtrate is placed in a test-tube to which is added about 15 c.c. of ordinary glycerine. The fecal matter and glycerine are then very thoroughly mixed together, but not shaken violently, thus avoiding the formation of bubbles. The mixture is then centrifuged for two minutes or is allowed to stand for some hours when the eggs will rise to the top of the liquid. A drop of the mixture from the very top is then placed upon a glass slide and is examined under the microscope, using the low power and reduced light. Any eggs present are easily detected and, because of the differences existing between the size and shape of the eggs of the different species of parasites, it can readily be determined which particular parasite or parasites are infesting the digestive or respiratory organs of the fox in question. The eggs of the lung worms find their way into the intestinal tract in the exudates from the irritated lung that are coughed up and swallowed by the infested fox.

As to medicinal agents to remove worms from the digestive tract it has been demonstrated by many workers that oil of chenopodium followed by castor oil is an effective vermifuge for ascarides. For hookworms, carbon-tetrachloride seems to be the best drug. Unfortunately carbon-tetrachloride is quite toxic and must be given in proper doses, using capsules for its administration. The lung worms present the greatest problem, as no drug has yet been found that will remove them from the lung. Up to the present time hygienic methods are the best means we have of eradicating this pest.

THE DEPARTMENT OF PATHOLOGY AND PARASITOLOGY.

The activities of the department can be considered best under the following headings, tutorial, routine, research, and investigatory. Such a division is purely arbitrary and is adopted for purposes of simplicity in making this report.

Tutorial.—Lectures and laboratory exercises, which constitute the major portion of the educational work, have been continued as in previous years with but minor modifications. In the instruction of the student, the methods followed are those which tend to stimulate the mind and cause the student to develop his natural resources.

Routine.—The major part of the work of the laboratory consists in the microscopical examination of diseased tissues. This is in order to either establish or confirm a diagnosis. The value of such work to the clinician, and in determining with accuracy the nature of pathological processes, has been demonstrated repeatedly during the year.

The interest of fox breeders in parasitic diseases continues to increase with the ever-growing knowledge of the serious effects of parasitic infestation on the general condition of the fox. This has resulted in the examination of a large number of feces for intestinal parasites, as well as an occasional post-mortem in the case of death from an obscure cause. The department again desires to express its appreciation of the kind services of Dr. Maurice Hall, Chief Zoologist, Washington, D.C., for his assistance in the diagnosis of rare parasites. During the year one unusual parasite of the fox, the Alaria americana, was encountered by us and diagnosed by Dr. Hall.

The variety and number of pathological tissues examined during the year is recorded in a synoptic table to which the reader is referred. It is gratifying to note that the majority of specimens now received are properly preserved, which greatly enhances the possibility of making a correct diagnosis. Brief reports on a few of the most interesting specimens have been prepared and are included among the appendices.

In May, 1924, the college decided to prepare both a vaccine and a bacterin for use in the control and prevention of contagious abortion in cattle. The preparation and distribution of these products is now a part of the routine work of the department. During the past year 1,458 doses of vaccine and 1,762 doses of bacterin have been supplied to provincial veterinarians. Up to the present time actual reports have been received from sixteen herds comprising one hundred and seventy-one (171) inoculated cattle. Among seventy-eight (78) cattle inoculated with the live organism there have been six abortions; among ninety-three (93) animals inoculated with the dead organism there have been seven abortions. The consensus of opinion among the veterinary surgeons who have used this abortion prophylactic seems to be favourable. Support is lent to such a view by the fact of the constant and increasing demand for the product.

The strength of both the vaccine and the bacterin has been increased to a point beyond which it would not seem wise to go, because of the severity of the reaction produced, both local and general.

During the year 359 samples of blood were tested for evidence of contagious abortion. Of this number 114 were found to be positive and 233 negative. This work is now entirely in the hands of Miss Le Grand, who has ably done the work for the major part of the year.

Research.—This has been limited to that which is frequently necessary in the investigation of obscure outbreaks of disease. Some work is now under way in connection with animal tuberculosis.

Investigatory.—As in previous years certain unusual or puzzling outbreaks of disease have been investigated at the request of provincial veterinarians. Reports of this work have been prepared by F. W. Schofield, D.V.Sc.

HAEMORRHAGIC SEPTICAEMIA IN CATTLE.

F. W. Schofield, D.V.Sc.

The investigation was made at the request of Mr. Crosscary, the agricultural representative stationed at Uxbridge. The owner of the affected cattle was Mr. J. A. Vernon, R.R. No. 2, Uxbridge, Ontario.

During the month of April the owner lost six head of cattle, the majority of which were less than three years old. In several cases haemorrhage from the rectum occurred which resulted in a diagnosis of "poisoning due to mouldy sweet

clover." The clover hay being of fairly good quality, the owner was not satisfied and asked for an investigation. This report deals with the most important findings of the investigation.

History of the Outbreak.—The first case occurred on April 9th in a heifer rising two years old. The animal was sick for less than forty-eight hours. The symptoms observed by the owner were, stupor, trembling, watery discharge from the eyes, and the passage of blood with the feces. Further cases developed, one on each of the following dates: April 17th, 22nd, 23rd, 25th, 29th, and May 6th. The symptoms were much the same in all cases, save one, in which the animal showed great difficulty in breathing. This case was seen by a veterinary surgeon and diagnosed as pneumonia. The youngest animal to be affected was a three-months-old calf, while the oldest was a cow of about six years. During the period two other cows became sick, which was indicated by loss of appetite and bloating. These were treated by the farmer and both recovered. There is insufficient evidence to support the idea that these animals were specifically diseased. A bull, which had been sold to a neighbour some few days before the first case was observed, was delivered during the first week of the outbreak, nothing of an infectious nature being suspected. The bull died a few days later on a neighbouring farm, showing symptoms in every way similar to those exhibited by the cattle which died. The last animal to succumb developed the disease during the investigation on May 11th and died in about thirty-six hours.

Symptoms.—These, as observed by the writer, must be limited to one case, and that an animal which was moribund. The disease in this case was ushered in by marked muscular twitching, and moving from foot to foot. The animal was dull and refused all food. There was a slight serous discharge from the eyes. These early symptoms were related by the owner. When first seen the animal was lying on its side, the breathing was rapid and laboured, the pulse very fast, and the temperature normal. Violent delirious struggling was frequent. The mucous membrane of the eye and nose was markedly injected. The animal died in about forty-eight hours after the development of symptoms.

Post-mortem No. 1.—There were no marked changes in the abdominal viscera except for the liver. This organ was mottled in colour, there being many pale areas of degeneration. The organ was friable. Occasional small haemorrages and areas of congestion could be found both in the small and large intestines. The changes in the throat were very marked. The lungs were almost entirely consolidated. On section the blood oozed readily in considerable quantity. The mucous membrane of the bronchi and trachea was acutely congested, being an intense scarlet colour. The heart muscle had lost its sheen and appeared as if congested. There were haemorrhages in the muscular pillars. The pericardial sac contained an increased quantity of a slightly bloodstained fluid. The mediastinal glands were acutely inflamed and very œdematous. The cervical and submaxillary glands were affected likewise. There was a pronounced congestion of the nasal mucous membrane.

Post-mortem No. 2.—In this case the abomasum, small intestine and large intestine were all acutely inflamed, there being many minute haemorrhages in the mucous membrane. The large intestine contained a thin bloody fluid. The inflammation was very marked around the ilio-caecal valve. The liver, spleen and kidneys as well as the rumen and abomasum appeared normal. The mesenteric lymphatic glands were acutely inflamed. The thoracic viscera were not markedly affected, save for some œdema of the lymph glands.

Clinical Diagnosis.—Haemorrhagic Septicaemia. It was difficult to determine the source of infection as the animals had been fed and stabled under

identical conditions during the whole of the winter. No new stock or outside fodder had been brought on to the premises. While there were areas of mould in the sweet clover hay, no damaged hay had been fed for some weeks. Also the appearances of the carcasses were not in the least like those seen in death due to damaged sweet clover.

Careful burial of the dead animals and thorough disinfection of the premises was ordered.

Bacteriological Findings.—No specific organism was recovered from the first case. Some spore-forming organisms had entered the tissue and prevented satisfactory cultivation. Even the acutely inflamed lymph glands contained no specific organisms. In the last case, which was the enteric form of the disease, cultures were made from the intestinal mucous membrane, feces, and inflamed lymph glands. The latter were again free from bacteria, while the cultures made from the fecal matter and mucosa contained large numbers of colonies which proved to be the bacillus bi-polaris. The colonies could be easily distinguished by their transparency.

The sugar reactions were: Dextrose, mannite, and saccharose, acid. Lactose was unaltered.

Animal Inoculation.—Both rabbits and guinea-pigs were given an intra-peritoneal injection of a small amount of an agar culture. Two of the injected rabbits died within ten hours of the injection. Post-mortem revealed no macroscopic changes. Death must have been largely the result of toxic absorption. The other rabbit lived for twenty-four hours and died of acute peritonitis. The organism was also fatal to the guinea-pigs. It was interesting to notice that phagocytosis of the bacilli was most pronounced in the case of the guinea-pigs but absent in the cells of the rabbits.

The bacteriological findings confirmed the clinical, that the disease was haemorrhagic septicaemia due to the bovi-septicus.

ENDEMIC BRONCHO-PNEUMONIA IN CALVES AND ITS RELATION TO AN ANAEROBIC BACILLUS.

F. W. Schofield, D.V.Sc.

In a previous report (Report of O.V.C., 1924) mention is made of an outbreak of broncho-pneumonia among calves which seemed to be caused by a small Gram negative bacillus. During the past year several new cases of the disease have developed on the same premises and the bacteriological findings in the latter cases agree entirely with those previously recorded.

History.—For a period of at least ten years the owner of a large herd of Jersey cattle has been experiencing severe annual losses among his calves. The disease, which almost always takes the form of broncho-pneumonia, occurs either in the spring or fall, or at both of these seasons. There seems to be little doubt but that seasonal changes in the climate have much to do with the appearance of the disease. An outbreak usually follows a period of cold, damp weather. While a number of animals show evidence of sickness, usually a few only develop definite disease.

Symptoms.—For a day or two nothing more than marked depression, loss of appetite with increase in pulse and temperature is noticed. There may be diarrhea or constipation. Soon a cough is heard and with it evidence of pneumonia. Not infrequently, out of a dozen animals showing the premonitory

symptoms, pneumonia will develop in but two or three, the remainder being sick for a few days and then completely recovering. Most of the animals which develop bronchitis or broncho-pneumonia die. In the acute form the calf may die within a week. More often the animal lives for several weeks.

Post-mortem.—The changes will naturally depend upon the course of the disease. In the acute type the major portion of the lungs will show consolidation with many areas of haemorrhage and much fibrinous exudate. The disease resembles lobar pneumonia rather than broncho-pneumonia. In the chronic form the inflammatory changes are more circumscribed; pleural adhesions are common; the bronchi are filled with pus, small pockets of which are found throughout the lung. Usually the anterior lobes are the more seriously involved.

Bacteriological Findings.—As in previous cases the diseased tissue was swarming with a small Gram negative bacillus which is strictly anaerobic. Up to the time of writing, although many attempts have been made to grow the organism on the ordinary culture media, all have failed. Cultures are being carried in broth by the addition of sterile tissue. In addition to the description already given, it might be added that the organism occasionally shows forms which are bi-polar.

Biological Characteristics.—Fermentation tests have been made using the following carbohydrates:

Dextrose	A+G+
Maltose	A+G+
Mannite	A−G−
Lactose	A+G−
Saccharose	A+G−

Animal Inoculation.—A number of small animals have been inoculated and with uniform results. The method now employed in isolating the organism is as follows. A rabbit or guinea-pig, preferably the former, is inoculated subcutaneously with some of the bronchial discharges. An acute inflammatory reaction immediately follows and within five to seven days the skin over the inflamed area sloughs, leaving beneath a purulent and cheesy mass. If this is properly evacuated the local lesion heals. A second animal is inoculated with some of the pus and the resultant abscess usually contains the anaerobic bacillus in pure culture.

The lesion in the guinea-pig differs from that in the rabbit. It is more fibrinous than purulent and there is usually some necrosis of the underlying abdominal muscles.

Experimental Infection.—Ten cubic centimetres of a fresh broth culture was injected intra-tracheally into a three-months-old calf. On the following day there was a rise of temperature of 2° F., but this quickly subsided and the animal remained perfectly well.

Agglutination tests are at present being made, using this organism as the antigen with the sera of animals from the infected herd. Such tests may be of value in further determining the relationship of the organism to the disease under investigation.

PSEUDO-LEUKAEMIA AND MYELOGENOUS LEUKAEMIA IN FOWL.

F. W. Schofield, D.V.Sc.

During the last three years several cases (12) of lymphoblastic tissue formations have been observed in fowl. The occasional resemblance of this condition to avian tuberculosis adds interest and significance to the disease.

The name pseudo-leukaemia has been chosen to designate the condition, because in no case could an increase in the white blood cells of the blood be discovered. A satisfactory examination of the blood was impossible in some cases, and difficult in others, as all of the birds were dead when received for examination. In five out of the twelve cases examination of the blood within the vessel as seen in the sectioned tissue gave conclusive evidence against leukaemia. In the remaining seven cases absolute evidence could not be obtained.

The Type Cell.—The cells found in the new growth usually bore a strong resemblance to the small lymphocyte. The nucleus was round and took the nuclear stain heavily. The cytoplasm, which surrounded the cells, stained a light mauve colour and was usually irregularly distributed around the nucleus. Very frequently the major portion of the cytoplasm was concentrated on one side of the cell. As in most rapidly growing tumours there was a great variety in the size of the cells. Some were very small, appearing like staphylococci with an abundance of cytoplasm surrounding them. The cells varied from 3 microns to 8 microns in size. Mitotic forms were occasionally seen. Karyorrhexis was common and easily confused with heterotype mitosis. Out of the twelve cases four were composed of larger cells than the typical lymphocyte. They failed to show the curved and slightly lobulated appearance of the large lymphocyte, yet the mature cell was considerably larger than the small lymphocyte (5 microns-10 microns). The nucleus was not so dense, being more vesicular, and showed well-marked granules.

Invasion of the Normal Tissue.—This could be studied most readily in the liver and heart, both of which were frequently affected. The malignant cells seemed to proliferate without any resistance from either the local cells or from wandering cells. The pyknotic nuclei of adjacent liver cells was the only indication of the damage that was being done. Whole areas of liver tissue had been destroyed and replaced by the lymphocytes. In one case fibrous tissue seemed to surround certain areas of the growth, but this was most likely formed from the liver reticulum which remained after the destruction of the parenchyma. The pressure of the rapidly growing cells upon the surrounding liver tissue was evidenced by the marked congestion of the sinusoids in the adjacent tissue. In the heart, degeneration of the myocardium was pronounced, especially when the infiltration was extensive.

Organs Invaded.—The liver was involved in each of the twelve cases examined. Following this, in order of frequency, was the spleen (10), kidney (8), heart (3), and intestine (1). It is quite possible that the heart was overlooked in some cases, and that the description given when parts alone were submitted for examination was faulty.

Post-mortem Appearances.—Apart from the enlargement of those organs which were invaded by the new growth, there is no constant pathological picture. In fact the disease is manifested in at least three different ways. (a) In this form, which is the commonest, the liver, and usually the spleen and kidneys, are markedly enlarged, and in a strikingly uniform manner. The organs appear to

be hypertrophied but a definite change in colour is evident. All have a gray hue instead of the light or dark red. In one case the liver weighed 480 grams, and in another the spleen weighed 14 grams. On section the tissue is diffusely gray. (b) Here the organs affected have a very characteristic mottling due to the growth of the malignant cell in numerous minute colonies. The appearance is that of miliary tuberculosis save that the colonies are less opaque. The effect is best seen in the mesentery, which is covered with innumerable spots varying in size from a pin head to a lentil. A section of affected tissue reveals numerous colonies irregularly distributed. (c) Massive and concentrated growth is the characteristic here. This causes much irregularity of the organ in the area of growth. Also the colour is entirely changed and the new tissue is frequently very soft or pulpy.

A point of interest is the frequency with which the insignificant lymph node in the region of the cloaca is enlarged. In one case the node had become as large as a tangerine orange. It is quite possible that the malignant cell may arise in this region. This is supported by the fact of massive local growth and marked degeneration in the growth.

Myelogenous Leukaemia.

But one case has been observed. In the gross the appearance was very similar to the pseudo-leukaemia. As well as an invasion of the abdominal viscera, the heart and lungs were the seat of new growths and the cervical lymph glands were enlarged. Sections of the affected organs showed the malignant cell to be a myeloblast.

A NOTE ON THE SIMILARITY BETWEEN THE PARASITIC FORMS SEEN IN SOME CASES OF AVIAN COCCIDIOSIS AND BLACKHEAD IN TURKEYS.

F. W. Schofield, D.V.Sc.

In making pathological sections from the ceca and liver of chickens which had died of so-called coccidiosis, one could not help but notice the remarkable similarity between the parasites found in such tissue and those seen in sections made from cases of entero-hepatitis in turkeys.

The Parasite in Entero-hepatitis.—Sections were prepared from six different cases of "blackhead" and in four out of the six a parasite, which corresponded to the *Ameba meleagridis* (Smith) was easily distinguished. Of the two negative cases, one showed advanced post-mortem changes, while the other showed acute inflammation, but no evidence of the parasite. In size, the ameba vary greatly, the smallest being about three microns, while the largest measure as much as fifteen. The majority are spherical in shape and usually located in a well-marked vacuole. Under the low power the characteristic clear, circular spaces with the pink centres can be readily located in the tissues before the individual parasite is distinguished. The larger forms frequently appear to consist of a small group of parasites, as many as from four to ten being present in one group. Only a few of the parasites show any definite nucleus, although a central dark spot is seen in quite a number of the cells. The marked difference in the density of the cytoplasm of the cells is in all probability due to the encysted forms taking the stain more deeply.

Histological Changes in the Liver and Cecum.—The hepatic cells undergo degeneration and finally necrosis. In large areas of the liver all that remains of the parenchyma is a little cell debris lying within strands of connective tissue. There is always a pronounced cellular infiltration consisting of lymphocytes and endothelial cells. In one section a great many giant cells were present. The parasite is not always to be found in the necrotic areas. This is an interesting point. Many areas may show well-marked pathological changes yet no parasites are visible. The cecum shows the characteristics of acute inflammation. The mucosa has usually exfoliated and particles of it can be seen mixed within a mass of necrotic material in the lumen of the tube. Bloodvessels are engorged, cellular exudation is very marked and the parasites are found distributed throughout the tissue, even to the outer layer of the muscle fibres.

The Parasite as Seen in the Diseased Tissues of the Fowl.—Ten cases were examined in which a clinical diagnosis of "coccidiosis" had been made. Examination of the tissues (liver and ceca) showed the presence of two different parasites. In four of the birds a parasitic form, indistinguishable from the *Ameba meleagridis*, was found. The morphology, size, staining, as well as disposition of the parasite in the tissues, was identical with that as seen in black head of turkeys. In the remaining two cases the invading parasite was undoubtedly a coccidium. There was a well-marked cell wall, much chromatin was present, the shape was more oval and the average size of the parasite slightly larger, the smallest being about six microns and the largest twelve. It was noticed that the coccidium did not seem to possess the same invasive powers as the ameba. The latter can usually be found deep in the tissues of the cecum, and, of course, constantly in the liver, while in the two cases examined it was noticed that the coccidium had failed to penetrate below the submucosa of the cecum, thus failing to provoke such a marked tissue response.

Histological Changes in the Liver and Cecum.—Both with gross and microscopic appearance the morbid changes are remarkably like those which characterize entero-hepatitis. In the liver, degeneration with necrosis and marked cellular infiltration, while the ceca show the same acute inflammatory changes.

From these few observations it seems apparent that: (1) The fowl is susceptible to an amebic entero-hepatitis, which fact has already been enunciated by other investigators; (2) that coccidial and amebic infections are very apt to be confused clinically. It might be added that a microscopic examination of the feces will usually reveal the presence of coccidia if these are present in sufficient numbers to cause disease. The ameba are not so readily recognized or identified.

SOME PATHOLOGICAL NOTES OF SPECIAL INTEREST.

F. W. Schofield, D.V.Sc.

Fibromatosis in a Fowl.

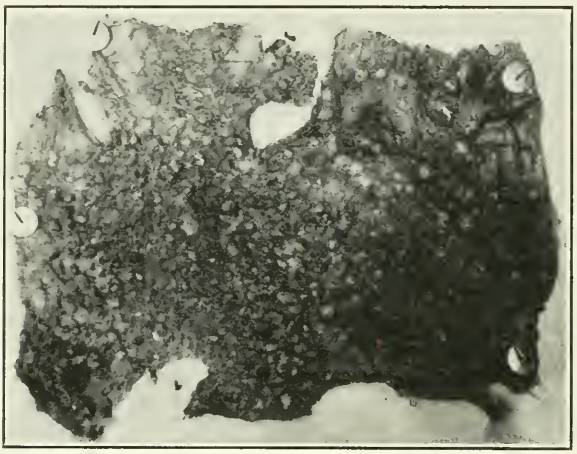
An unusual case of multiple primary fibromata was observed in a White Leghorn hen. The bird, having become emaciated, was destroyed and an examination made.

Post-mortem.—On removing the feathers a most interesting condition was discovered. Hundreds of small, firm nodules covered the surface of the skin. These varied in size from a pin head to a pea, a few being even larger. The majority of these small growths seemed to be related to the feather follicles.

There was, however, a tendinous enlargement at the insertion of the internal femoral muscles, and one small nodule in the kidney. The pectoral muscles were seriously invaded by an infiltration of dense fibrous tissue originating in the region of the xyphoid cartilage.

Microscopic Findings.—The individual nodules were typical fibrous tissue tumours consisting of bundles of fibres compactly arranged and running in a wavy course in many directions. Sections made from the growth which occurred in the pectoral muscles showed that the fibrous tissue cells were causing marked atrophy of the muscle fibres. The growth was quite invasive and diffuse.

Gross Appearance.—The nodules were all pearly white and extremely hard, the cut surface showing the typical glistening appearance of hard fibromata.



Illustrating the nodular condition of the skin described as Fribromatosis of the Fowl. (Original.)

Colloid Goitre in a Fowl.

History.—Little could be obtained. The owner stated that the bird had difficulty in breathing, and after the bird was destroyed a "large red lump was found in front of the heart and pressing on the windpipe."

Gross Appearance.—The tissue was about the size of a pigeon's egg, dark red in colour and on section had a honeycombed appearance; the cavities, some of which were as large as a split pea, containing a dark brown tenacious material.

Microscopic Appearance.—The tissue was made up of alveoli which were distended with colloid. The lining cuboidal cells were markedly flattened in many of the alveoli. There had been much haemorrhage in the interstitial tissue.

Adeno-Carcinoma of the Kidney.

History.—A Holstein cow had been under treatment for indigestion for two weeks with no improvement. A tuberculin test was given which proved negative. The animal was killed and a post-mortem made.

Post-mortem.—This was made by the veterinarian and the owner. The carcass was normal except for a tremendously large kidney and some enlarged lymphatic glands. The kidney was brought to the laboratory for examination. A diagnosis of tuberculosis had already been made.

Macroscopic.—The kidney was between three and four times its usual size, the enlargement retaining to a marked degree the lobular appearance of the kidney. The tissue was gray in colour and the central portion of the nodules had undergone a caseous degeneration. No lime salts were present.

Microscopic Examination.—The tissue was composed of epithelial cells which, while growing in a most erratic way, were undoubtedly attempting to form tubules. The mature cell bore a strong resemblance to the renal epithelium of the convoluted tubules.

Adeno-carcinoma of the kidney. (Original.)
A.—The diseased kidney. B.—The normal kidney.

The Morbid Histology of the Tubercle Produced by the Lung Worm of the Fox (*Eucoleus Aerophilus*).

Paraffin sections of the lung of a fox that had died of lung worm infestation showed a very typical arrangement of cells in the formation of numerous tubercles in the lung tissue. In immediate contact with the parasite were a small collection of wandering cells, chiefly polymorpho-nuclear leucocytes. Surrounding these were a group of endotheloid cells such as are commonly seen in tuberculosis. There were no giant cells. The outer layer was composed of fibrous tissue cells disposed in a concentric arrangement. Eosinophiles were not observed.

An Unusual Outbreak Due to B. Bronchi-Septicus.

History.—A breeder of guinea-pigs, desirous of improving his stock, imported some pigs from a well-known manufacturer of biologics. A short time after the arrival of the guinea-pigs his breeding pigs began to sicken and die. As the losses became serious, the owner sent some of the sick and dead pigs to the laboratory for diagnosis.

Post-mortem Examination.—Well-marked broncho-pneumonia. There were many patches of consolidation in the lungs and the bronchi were full of a purulent exudate.

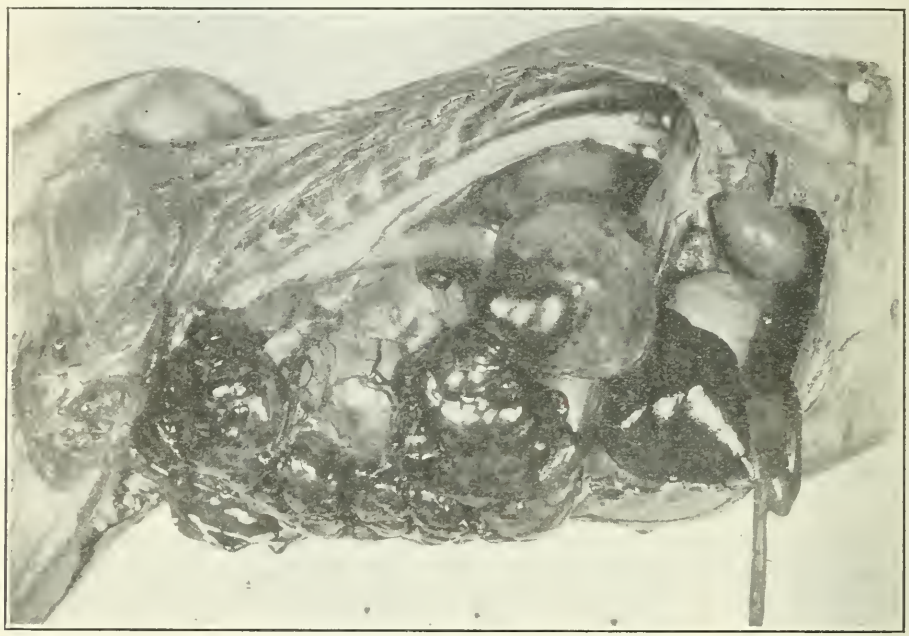
Bacteriological Examination.—Direct smear showed numbers of small Gram negative bacilli. Cultures gave an almost pure growth of an organism similar to the one seen in the smear. This was finally identified as the Bacillus bronchi-septicus.

Melanotic Sarcoma in a Black Fox.

History.—For several months the animal had been suffering from what was apparently a respiratory infection. Chronic cough, increased respiration and

progressive emaciation were the chief symptoms. Microscopic examination of the sputum showed the presence of the ova of the Eucoleus aerophilus. The animal, failing to respond to treatment, and becoming very weak, was ordered to be destroyed by the owner.

Post-mortem.—The thoracic cavity was almost filled with a solid black irregular mass involving the greater part of the lung tissue. One submaxillary gland, which was markedly enlarged, was the only other portion of the body to be pathological. The tumour mass weighed 1 lb. 4 oz., while the total weight of the fox was only 6 lbs.



Melanotic Sarcoma. (Original.)
Showing the extensive invasion of the thorax with the melanotic mass.

Microscopical appearance.—The principal cell resembled a fibroblast more than any other body cell. Melanin was present in large quantities in most of these cells. There were, however, large areas of the tumour which were composed of similar cells yet quite devoid of pigment.

An interesting fact is that five months previously the fox had been operated upon and a small growth removed from the commissure of the mouth.

THE DEPARTMENT OF BACTERIOLOGY.

During the year the work of this department was carried out as described under the following headings:

1. Teaching.
2. Publications.
3. Preparation of biological products.
4. Research and investigation.
5. Routine examination of specimens.

Teaching.—During the college session lectures on bacteriology were given to the second, third and fourth year classes, and laboratory work in bacteriology to third and fourth years. A course of lectures and practical work was also given to the fourth year class in milk hygiene and poultry diseases.

Publications.—During the year a series of special articles relating to poultry diseases was contributed to the current veterinary periodicals.

Preparation of Biological Products.—This comprised the preparation and distribution of 2,530 doses of avian diphtheria vaccine for use by qualified veterinarians.

Research and Investigation.—Experimental work was confined principally to *Salmonella pullora* infections. Some work was also done with avian diphtheria and tuberculosis. A preliminary investigation was made regarding the occurrence of coccidiosis in cattle. Reports relating thereto have been made where the work has advanced sufficiently to justify same, and are submitted by Ronald Gwatkin, D.V.Sc.:

Routine Examination of Specimens.—Routine work consisted of the serological examination of samples of fowl blood, and the bacteriological or such examination as was required, of other specimens.

Blood Serum Examinations.

Animal	Disease	No. of samples tested	Positive	Suspicious	Negative
Fowl....	*Salmonella pullora* infection..	11,857	1,660	86	10,111

Synopsis of Bacteriological and Other Examinations Comprising 914 specimens.

Condition or Disease	Horses	Cattle	Sheep	Swine	Poultry	Dogs	Miscellaneous
Anthrax		1					5 feces.
Abortion		8					12 abnormal eggs.
Abscess and other infections	1	19	1	4	16	5	15 milk.
Blackleg		7					3 water.
Bacillary white diarrhea					153		1 rabbit, coccidiosis.
Infected ovaries					102		
Rachitis					5		
Other chick diseases					9		
Colds or roup					15		
Avian diphtheria					28		
Nutritional conditions					103		
Coccidiosis		4			61		
Hemorrhagic septicaemia			1		10		
Cholera-like diseases					10		
Fowl typhoid					5		
Roundworms					17		
Tapeworms					59		
Roundworms and tapeworms					11		
Other parasites					4		
Peritonitis					54		
Impaction of crop					4		
Visceral gout					11		
Leukemia					12		
Tuberculosis		1			40		
Entero-hepatitis					11		
Poisoning, weeds, etc.					8		
Tumours					15		
Johne's disease		1					
Mastitis		5					
Goitre					2		
Cystic oviduct					5		
Hemorrhage					13		
Putrid and not diagnosed	1	7	3	2	25		
Totals	2	53	5	6	808	5	36

SOME NOTES ON *SALMONELLA PULLORA* INFECTION.

RONALD GWATKIN, D.V.Sc.

In the annual report of the Ontario Veterinary College for 1924, we noted some points of interest in connection with our work on bacillary white diarrhea in chicks and *Salmonella pullora* infection in adult fowl. We found that out of 179 young chicks (twenty-four hours to two weeks old) from various parts of the province, *Salmonella pullora* was recovered from 107. This spring *Salmonella pullora* was recovered from 153 out of 227 chicks examined. While it is impossible to estimate the relationship between the number of birds submitted for examination and the unreported losses, these figures at least show that bacillary white diarrhea is the most common cause of chick mortality in those examined at the college.

It is interesting to note that Beaudette (Jour. A.V.M.A., Sept., 1925) reports the isolation of the fowl typhoid organism (*Bacterium sanguinarium*) from the heart blood of baby chicks from different flocks, from the unabsorbed yolk of a five-weeks' old chick and the pathological ovary of an adult hen, indicating the possibility of this disease being transmitted through the egg. Sixty-six samples of blood were collected from the flock from which the typhoid-infected ovary was obtained. Nine of these agglutinated antigens prepared from the fowl typhoid and bacillary white diarrhea organisms in about the same dilutions, though somewhat in favour of *Salmonella pullora*. As the author points out, further work is necessary in the examination of cultures from chicks. The importance of a further study of organisms of this group is also emphasized by Weaver (Report of Dominion Poultry Husbandman, 1924). It is our intention to do as much with this aspect of the work as time and opportunity will permit. Bacillary white diarrhea is well reviewed by Beaudette in *Poultry Science*, August-September, 1925.

Opinions differ as to the dilutions necessary to use in the agglutination test and also as to what constitutes a positive test. It is important that as many infected birds and as few normal birds as possible be removed from a flock, and quite extensive work is necessary to decide upon the dilution or dilutions that will come nearest to this result. It means the examination of ovaries of birds giving agglutination in any of the dilutions tried. Unfortunately a limited number of birds can only be obtained for examination in this way. For comparative work the antigen used by various workers should be prepared in the same way and be as nearly as possible of the same concentration. The titre of a serum is dependent to a large extent on the density of the antigen.

Jones (Jour. Med. Res., March, 1913) suggests the use of dilutions of 1-50, 1-100 and 1-200.

Rettger, Kirkpatrick and Jones (Bul. 88, Storrs Agr. Exp. Sta., October, 1916), employs 0.03 c.c. serum in 3.0 c.c. antigen, making a dilution of 1-100, which is claimed to be as efficient as the dilutions previously used, namely, 1-50, 1-100 and 1-200.

Ward and Gallagher (Diseases of Domesticated Birds, 1923) write regarding dilutions. "The agglutination serum dilution which will establish a diagnosis has not been definitely fixed. It is a well-known fact that normal blood serum is capable of agglutinating organisms to a greater or less degree. In *B. pullorum* infection tests, a serum which in the amount of 0.02 c.c. or less causes agglutination, undoubtedly indicates a positive case." They suggest the use of dilutions of 1-25, 1-50 and 1-100.

Beaudette (Jour. A.V.M.A., November, 1923) recommends a single-tube test, using 4.0 c.c. antigen and a dilution of approximately 1-80 to 1-100 (a drop), as being equally as efficacious as their previously used dilutions of 1-40, 1-80, 1-160 and 1-320.

Brunet (Cornell Vet., July, 1925) also employs a single-tube test with 2.0 c.c. antigen and a dilution of approximately 1-30.

Baker (Vet. Med., July, 1925) uses a single tube with 1.0 c.c. antigen and 0.1 c.c. serum, making a 1-10 dilution.

During the year, 11,857 samples of fowl blood were examined. One thousand six hundred and sixty were positive, 86 suspicious, and 10,111 negative. Some comparative work was tried with a number of these samples, the results of which are embodied in this report.

Most of the routine agglutination tests were carried out by Miss A. Le Grand. I am also indebted to Drs. H. E. Batt and F. W. Schofield for assistance at various times.

Technique of Agglutination Test.

Antigen.—Three strains of *Salmonella pullora* were used that had been picked for good agglutinating qualities. These were grown for four days in flat flasks on 1.5 per cent. beef infusion agar with a reaction of pH 7.8. The growth was washed off with 0.85 per cent. saline solution and filtered to remove clumps. It was standardized by the method advocated by Gates (Jour. Exp. Med., January, 1920), using a test tube 1.6 cm. (inside diameter) by 15.5 cm., with a loop of 22 (Imp. standard) nichrome wire. The depth of disappearance was 5.6 cm. It was then preserved with 0.5 per cent. phenol. This gave the lightest suspension in which positive reactions could be readily detected. This antigen was found to stand up well and could be kept for months in the ice chest.

Serum.—Birds were penned in a convenient place. Males, as well as females, were tested. If the birds had not leg bands these were put on for identification and the numbers marked on the corresponding tubes at time of bleeding. An assistant held the bird and raised the wing next to the operator, holding it straight up and exposing the under surface. A few feathers were plucked from the area over the humero-radial (elbow) joint, exposing a prominent vein passing over the joint. The area was wiped with denatured alcohol and the vessel opened with a hypodermic needle or the point of a fine scalpel, in the direction of the vein, and blood allowed to flow into a sterile three-eighths inch tube to a depth of an inch if flowing freely. In difficult bleeders half that amount had to suffice. The tube was corked and laid in a slanted position until the blood had clotted. With birds that were difficult to bleed the other wing was tried in the same place, and if found no better a vein in the shoulder was opened. Except in large vessels, as in the case of the shoulder, bleeding ceased without any particular attention, though a very small flake of absorbent cotton was in some cases placed over the bleeding vessel. We found a sharp sixteen-gauge needle to be the most convenient bleeding instrument, used simply to pierce the vein and not for the flood to flow through. It was wiped with a piece of absorbent cotton between each bleeding. When received at the laboratory the tubes were set up in racks, the clots, if necessary, loosened from the sides of the tubes with a sterile wire and allowed to settle overnight in the ice chest, or set up as soon as the serum was clear. If the tubes were slanted when the blood was collected it was seldom necessary to separate the clot from the tube, thus saving one operation.

It is essential that samples be kept cold in summer, when ice is necessary if they are to be shipped. They must be kept from freezing in the winter. They

must be collected in dry sterile tubes. Warmth, freezing and water hemolyse the red blood cells, making a bloody serum which tends to inhibit agglutination and also produces a deposit which may be confused with a positive reaction.

The Test.—The test was carried out with varying dilutions, by employing from one to five tubes for each sample to be tested. In addition to the number required for the samples, one was set up for the positive and one for the negative control.

One cubic centimeter of antigen was placed in each tube. To make a dilution of 1-10 in the first tube 0.1 c.c. of undiluted serum was added to the antigen, to make the 1-25 dilution 0.04 c.c. serum was added, to make the 1-50 dilution 0.02 c.c., the 1-100 dilution 0.01 c.c. and the 1-200 dilution 0.005 c.c. serum. To the positive control tube 0.02 c.c. of known positive serum was added. Antigen alone constituted the negative control tube. In single tube tests 1-50 was the dilution employed. Tubes were incubated at 37° C. for twenty-four hours. The same result was obtained with forty-eight hours' incubation at room temperature.

Interpreting Results.—All tubes, in the presence of a strongly positive serum, were perfectly clear with clumps of bacteria adhering to the sides and bottoms of the tubes. The negative control remained uniformly cloudy, that is, unchanged in appearance, while the positive control was clear with a white deposit on the bottom of the tube. In some cases there was only partial agglutination in some or all of the tubes, the serum of that particular bird not containing sufficient agglutinins to clump all the bacteria in the antigen. Any agglutination in 1-50 or higher was considered positive. A reaction in lower dilutions was considered suspicious and the bird removed, and if valuable retested later. The serum of some hens, afterwards shown to have infected ovaries did not produce complete agglutination even with the light antigen employed. In some cases fat in the serum caused some difficulty in making readings, as the tubes became cloudy, but if handled carefully to avoid shaking the fat down this difficulty was usually overcome, especially in the higher dilutions. Hitchner (Jour. A.V.M.A., Sept., 1923) suggested fasting the birds for thirty-six hours to overcome this difficulty. He found, however, that while the actual bleeding did not interfere with laying, there was a serious check due to fasting. We were not troubled with fat to any extent.

Precautionary Measures After Testing.—While methods of infection in adult birds are not yet fully understood, it appears advisable to thoroughly clean up and disinfect the premises after the removal of positive birds. Also, in view of the possibility of males acting as passive carriers, as reported by Rettger, Kirkpatrick and Card (Bul. 101, Storrs Agr. Exp. Sta., Jan., 1919), they should be kept out of the flock until the breeding season, thus lowering any risk that might exist in this regard.

Comparison of Dilutions

One hundred and thirty-three samples were set up in dilutions of 1-10, 1-25, 1-50 and 1-100. Sixty-one were positive or suspicious and seventy-two negative. Those listed as negative showed no trace of agglutination in any dilution. The number that agglutinated in each dilution and the degree of agglutination is shown in table 1. Positive controls all gave complete agglutination (C) and negative controls no agglutination (O) and are not shown.

Table 1

Number of Samples	Dilution	Degree of Agglutination				
		C	4	3	2	1
47	1–10	37	2	3	4	1
57	1–25	37	7	9	2	2
61	1–50	40	9	4	6	2
51	1–100	39	10	1	1	0

Results are recorded in this and the following tables by the system advocated by Hadley (Jour. Imm., 1917), which is as follows:

C—Complete agglutination.
O—No agglutination.
1 to 4—Intermediate grades of agglutination.
——No test.

Out of these sixty-one samples the 1-50 dilution picked all the positives shown, being four more than the nearest dilution, which was the 1-25. In the 1-50 dilution, however, there were eight cases in which the tubes showed only partial agglutination.

In one case 1-100 gave better agglutination. In four samples more agglutination occurred in 1-10 than in 1-50. In one it was the same and in two cases there was no agglutination in the 1-10. However, this dilution appeared more useful than the 1-25, because being much lower it showed up the weak ones. If it were a case of using either of these dilutions alone the 1-25 would have been chosen as picking more positives, but as the 1-50 dilution gave more than either, it was considered that the flanking dilutions would be more useful if they acted as indicators, which they did better than a dilution closer to the main one. The objections to using the large quantity of serum are that the phenomenon of proagglutination is likely to occur, or the reaction may be non-specific.

In trying the high dilution one hundred samples were set up in dilutions of 1-10, 1-25, 1-50, 1-100 and 1-200. Twenty-six were positive or suspicious. The seventy-two remaining showed no agglutination in any dilution. The number of samples that agglutinated in each dilution and the degree of agglutination is shown in table 2. Positive and negative controls gave readings of C and O, respectively, and are not shown. Results are recorded by the system shown following table 1.

Table 2

Number of Samples	Dilution	Degree of Agglutination				
		C	4	3	2	1
18	1–10	10	1	3	3	1
23	1–25	12	5	4	1	1
26	1–50	16	7	1	0	2
25	1–100	17	7	1	0	0
23	1–200	19	2	1	1	0

The 1-50 dilution again picked all the positives recorded, though in three cases there was only partial agglutination in that dilution. None of the other dilutions picked as many positives. The 1-100 dilution was next best.

In the three samples giving slight reactions in 1-50, complete agglutination occurred in 1-200 in the first two and in 1-10 in the third one. If it were a question of using 1-100 or 1-200 alone the former would have been selected, but in conjunction with 1-50 the latter appeared to be better for those sera showing proagglutination. Higher dilutions were not tried.

A comparison was made of twelve hundred and fourteen samples in dilutions of 1-50 and 1-100. One hundred and ninety-one of these were positive. The number of samples that agglutinated in each dilution and the degree of agglutination is shown in table 3. Positive and negative controls gave readings of C and O, respectively, and are not shown. Results are recorded by the system shown following table 1.

Table 3

Number of Samples	Dilution	Degree of Agglutination				
		C	4	3	2	1
191	1–50	165	13	6	7	0
182	1–100	138	20	13	11	0

Of the nine samples showing no agglutination in 1-100, six gave complete agglutination, one a reading of 4, and two a reading of 2 in 1-50, the latter dilution thus picking nine positives that would have been missed by the 1-100.

A comparison was also made of five hundred and forty-nine more or less hemolysed samples in dilutions of 1-50 and 1-200. One hundred and forty-two of these were positive. The number of samples that agglutinated in each dilution and the degree of agglutinations is shown in table 4. Positive and negative controls gave readings of C and O, respectively, and are not shown. Results are recorded by the system shown following table 1.

Table 4

Number of Samples	Dilution	Degree of Agglutination				
		C	4	3	2	1
129	1–50	87	26	8	5	3
130	1–200	91	30	6	2	1

Hemolysed sera tend to develop proagglutinating tendencies, and in addition a heavy sediment forms in low dilutions, making it difficult to decide whether or not a sample is positive. A large number of these sera, including all those showing agglutination in 1-200, but not in 1-50, were more or less hemolysed. Thirteen samples showed no agglutination in 1-50, but some in 1-200, while twelve samples showed no agglutination in 1-200, but some in 1-50.

In using either of these dilutions separately, twelve or thirteen positive samples would have been missed. The fact that the higher dilution picked more positives was probably due to the hemolysed condition of the sera, which would obscure the results in the lower dilution. It is impossible to say how many more reactions might have been noted in the lower dilution, which did not show

in the higher, had these sera been in good condition, showing the inadvisability of testing hemolysed samples.

Four hundred and eighty-two samples were set up in dilutions of 1-10, 1-50 and 1-200. One hundred and two showed agglutination in some dilution. The number of samples that agglutinated in each dilution and the degree of agglutination is shown in table 5. Positive and negative controls gave readings of C and O, respectively, and are not shown. Results are recorded by the system shown following table 1.

TABLE 5

Number of Samples	Dilution	Degree of Agglutination				
		C	4	3	2	1
92	1–10	49	12	12	13	6
97	1–50	48	18	11	9	11
82	1–200	50	20	6	3	2

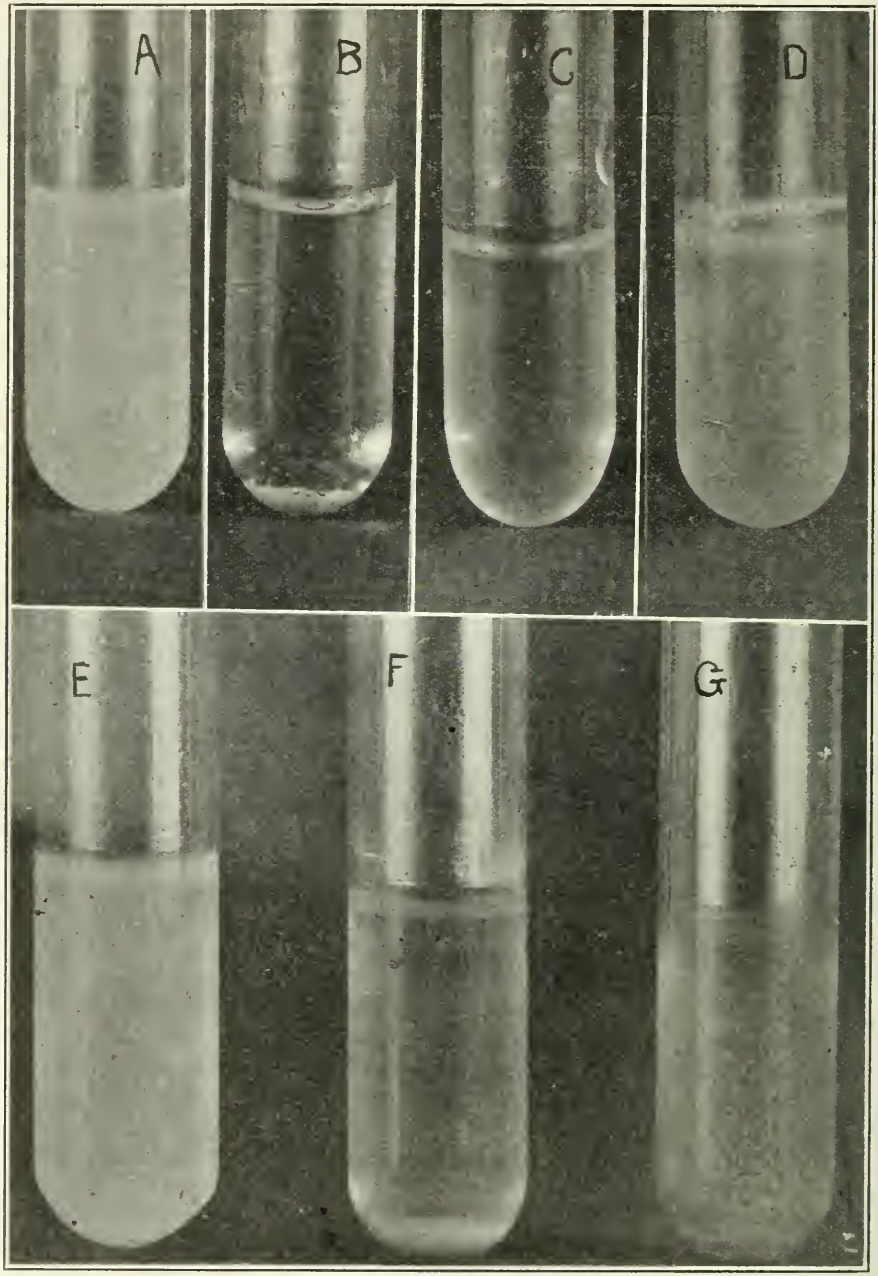
Out of the one hundred and two samples showing agglutination, the 1-50 dilution picked ninety-seven. Four of the five samples showing no agglutination in that dilution gave readings of C, C, 4, and 3, respectively, in the 1-10 dilution and none in 1-200. The fifth sample was hemolysed and gave a reading of four in 1-200 and no agglutination in the other dilutions. Ten samples gave a reading of 1, and nine gave a reading of 2 in 1-50. With these nineteen samples the 1-10 dilution gave a more pronounced reading in five cases and 1-200 in four cases than the 1-50 dilution.

Three of the four birds whose blood agglutinated in the 1-10 dilution only were killed and examined. The three ovaries were dormant, which made it difficult to observe the condition of the follicles, but as far as could be seen they were normal. They were removed aseptically, placed in large tubes of broth and incubated forty-eight hours at 37°C. The broth was then plated on agar and similarly incubated. One culture was sterile. Colonies of a fine gram positive coccus appeared on the other two. No colonies of *Salmonella pullora* developed.

In the preceding work in which three or more dilutions were employed, the dilution of 1-50 picked one hundred and eighty-four out of one hundred and eighty-nine samples in which agglutination occurred. Of the five samples in which there was no agglutination in this dilution, four showed agglutination in 1-10 only and one in 1-200 only, the latter result probably being due to the fact that this sample was hemolysed. Three of the four birds from which the samples showing agglutination in 1-10 only were killed and a bacteriological examination made of their ovaries. Macroscopically they appeared normal and *Salmonella pullora* was not recovered from any of them.

In the comparison of one hundred and ninety-one positive samples in dilutions of 1-50 and 1-100, the former dilution picked nine more than the latter. In the comparison of one hundred and forty-two more or less hemolysed positive samples, the 1-200 dilution picked more than the 1-50, probably owing to the fact that agglutination in the lower dilution could not be detected. With good sera the 1-200 dilution gave fewer positives.

Summary.—A dilution of 1-50 alone appeared to be satisfactory for the detection of infected birds, provided that only sera in good condition were



Illustrating agglutination reactions in test tubes. (Original.)

A.—Negative. (A heavy antigen was used for photographic purposes.)
B.—Positive reaction.
C.—Negative reaction (actual strength antigen).
D.—Shows difference of fat in same antigen as C.
E.—Negative (heavy antigen).
F.—Partial reaction.
G.—Negative hemolysed sample. This might be confused with F.

employed for the test and any trace of agglutination in that dilution was regarded as positive. Further work will be done with the 1-10 dilution in infected and healthy flocks. It is especially important to determine the occurrence and the degree of normal agglutination and work will be done on healthy flocks with this object in view.

Comparison of Readings at Twenty-four and Forty-eight Hours at 37°C., and of Room Temperature and 37°C.

In order to compare readings at twenty-four and forty-eight hours, a number of sera were held over and read at both times.

The first batch consisted of one hundred and twenty-two samples set up in dilutions of 1-50 and 1-100, of which twelve were positive and the remainder negative after twenty-four hours incubation at 37°C. No change in the readings was observed at forty-eight hours.

The next two batches consisted of forty-five and forty-two samples, respectively. They were set up in dilutions of 1-50 and 1-100. All were negative after twenty-four hours' incubation at 37°C., nor was there any change at forty-eight hours.

Table 6 gives twenty samples selected from some experimental birds and set up in dilutions of 1-25, 1-50, 1-100 and 1-200. They were incubated at 37°C. and read at twenty-four and forty-eight hours.

Table 6

24-hour				48-hour				24-hour				48-hour			
1-10	1-25	1-50	1-100	1-10	1-25	1-50	1-100	1-10	1-25	1-50	1-100	1-10	1-25	1-50	1-100
4	4	4	4	4	4	4	4	C	C	C	C	C	C	C	C
C	C	4	2	C	C	4	2	C	C	4	2	C	C	4	3
C	C	4	4	C	C	C	C	3	3	4	4	3	3	4	4
4	3	2	2	C	4	3	2	4	C	C	2	4	C	C	2
4	4	4	3	4	4	4	4	C	C	C	C	C	C	C	C
C	C	4	4	C	C	C	C	4	4	4	3	C	C	C	3
2	2	2	2	2	2	2	2	4	4	4	4	C	4	4	4
C	C	4	2	C	C	4	2	C	C	2	2	C	C	3	3
4	4	3	3	4	4	3	3	3	3	4	4	3	3	4	4
C	4	3	2	C	4	3	2	C	C	4	4	C	C	4	4

In looking over table 6 it will be seen that eight out of the twenty samples showed more agglutination at forty-eight than at twenty-four hours, the extra time allowing for a more complete settling out of the positive samples. However, for practical purposes a twenty-four hour incubation was sufficient. In doubtful cases, especially where there has been some hemolysis, the extra day would be valuable.

Forty-eight hours at room temperature gave the same result as twenty-four hours at body temperature on thirty samples set up in duplicate for purposes of comparison. Twenty-four hours at room temperature was not sufficient.

Summary.—Twenty-four hours incubation at 37°C. was sufficient for practical purposes. In doubtful cases an extra day is valuable. Forty-eight hours incubation at room temperature gave the same result as twenty-four hours at 37°C.

Rapid Agglutination Method (Macroscopic)

In the report of the Ontario Veterinary College for 1923 we gave the details of a rapid method of agglutination which corresponded fairly closely to the 1-100 dilution when used in the examination of cattle sera for agglutinins against *Alcaligines abortus*. The same method was tried with *Salmonella pullora* antigen and fowl blood. Antigen was prepared by rubbing up forty-eight hour growth of the organism with salt solution to make a creamy suspension. No phenol was added as the antigen was made as required. Drops of antigen were placed on a clean glass slide. A loopful of each serum to be tested was added to the correspondingly numbered drop. Positive and negative sera were used as controls. One hundred and eighty-four samples were tested by this method and set up at the same time in a dilution of 1-50.

Twenty-six samples were positive in 1-50. Only twenty of these showed positive by the rapid method, though there were thirty-two positives by this method, that is, only twenty of the twenty-six positive samples showed up by the rapid technique, but twelve negative samples appeared positive. One hundred and fifty-eight samples were negative in 1-50 dilution and one hundred and fifty-two by the rapid method, but the latter made twelve of the negative samples appear positive.

Summary.—The rapid agglutination method, which had been successfully applied to samples of cattle blood in infectious abortion, was not of any value when applied to testing fowl blood for the detection of *Salmonella pullora* carriers.

Comparison of Strains of *Salmonella pullora* for Antigen

Six strains of *Salmonella pullora* were grown for four days in flat flasks on 1.5 per cent. beef infusion agar with a reaction of pH 7.8. Antigen was prepared from each strain as described under the section on technique, the depth of disappearance of the testing loop being the same in each case. Each antigen was set up with ten positive sera in dilutions of 1-25, 1-50, 1-100 and 1-200. The results of this are given in table 7. The dilutions are not shown in the table, but the figures represent the degree of agglutination in each dilution, as, for example, with antigen 580 and serum 755 the agglutination reading was C in 1-25 and 1-50, 3 in 1-100 and 0 in 1-200. They are recorded by the system shown following table 1.

Table 7

Antigen	Serum									
	755	1781	575	1822	1764	732	634	572	756	750
580....	CC30	3320	1000	4410	3000	2220	CC00	C400	.....	C420
640....	CC44	2202	CC21	CCCC	4200	4240	C443	CCC0	.....	.....
971....	C43C	CCCC	C300	C200	4000	2100	CC20	CC21	CC43	CC43
B1.....	0000	2000	0000	C300	4000	0000	4000	C420	0000	4000
931....	CC44	CCC2	CC42	CCCC	2000	CCCC	C422	CCC3	CCCC	CCCC
554....	CCC2	3343	CC42	CC22	C000	CCC2	CC22	CC42	CCCC	CCCC

Strains 640, 931 and 971 were selected for use. The strain marked B1, which was received from an outside source, gave very poor agglutination. It was the oldest of the strains used, but it is not known how long it had been

isolated before we obtained it. Jones (Jour. Med. Res., March, 1913) states that freshly isolated cultures gave better agglutination results than those under cultivation a longer time. We have not noticed any change in the other cultures in this regard after eighteen months subculturing. It will be noted that a number of the readings were irregular, such as C43C, that is, complete agglutination in 1-25, a reading of four in 1-50, a reading of three in 1-100 and complete in 1-200. Care had been taken to have the dilutions as accurate as possible with the method used, and though it was not checked experimentally it may be that these results are similar to those referred to as "paradoxical reactions" in connection with infectious abortion by Fitch, Boyd and Billings (Jour., A.V.M.A., March, 1919). The only variation between any of these strains was in gas production and in this regard Rettger and Stoneburn (Bul. 60, Storrs Agr. Exp. Stn., Dec., 1909), state that some strains do not produce gas in any of the sugar media though acid production is quite apparent. Strain B1, which gave poor agglutination, produced gas in dextrose and mannite. Acid and gas production is shown in table 8.

Table 8

Culture	Lactose	Dextrose	Saccharose	Mannite	Maltose	Inulin	Dextrin
640.....	0	++	0	++	0	0	0
BI.....	0	++	0	++	0	0	0
580.....	0	++	0	+	0	0	0
931.....	0	++	0	++	0	0	0
971.....	0	+	0	+	0	0	0
554.....	0	++	0	++	0	0	0

++Acid and gas. +Acid only. 0 No acid nor gas.

Beef extract broth was used with a reaction of pH 7.8 and containing one per cent. Andrade's indicator. A concentrated solution of the carbohydrate in distilled water was added to make one per cent. in the broth. Tubes were incubated at 37°C. for one week. No visible change occurred after thirty-six hours. The test was repeated, with identical results.

Summary.—This experiment indicated that there might be a good deal of variation in the agglutinability of typical cultures of *Salmonella pullora* and that suitable strains should be selected for preparation of antigen. It also showed the reported variation in gas production in dextrose and mannite.

Persistence of Agglutinins in Carriers

Eleven hens whose blood agglutinated *Salmonella pullora* were kept from April until October, or until they died, and regular tests were carried out in dilutions of 1-25, 1-50, 1-100 and 1-200. All birds were laying at first, but at the end of the experiment three only were still laying. During this period some of the birds became broody and later began to lay again. Some also moulted. None of these factors appeared to make any difference to the agglutination reaction.

Eriksen (Missouri State Poultry Assoc. Year Book, 1923) gives results of twelve monthly tests on fifteen hens. The dilutions used are not stated. In eight cases agglutination, as shown in the table, appears to have varied from positive to negative in different months. From comparisons of eggs and the

test, the author concludes that agglutinins are constant during periods of non-production as well as periods of production.

Agglutination results on eleven hens are shown in table 9. The readings represent dilutions of 1-25, 1-50, 1-100 and 1-200. Positive and negative controls gave readings of C and O, respectively, and are not listed. Results are recorded by the system shown following table 1.

TABLE 9

No.	April		May			June		July	August		Sept.		Oct.
	17	24	1	8	22	5	26	31	14	28	11	25	9
634	2234	4444	4444	3344	444C	CCCC	CCC4	CCCC	4444	CCCC	44CC	—	D
572	2C40	CC42	CC40	CC44	CCC4	CCCC	CC42	CC42	CC42	CC40	CCCC	2211	2222
756	CCCC	CC44	CCCC	C433	CCCC	CCCC	D						
575	C432	4321	C421	3334	CCCC	CCCC	3333	3344	CC31	CCCC	D		
755	44C4	4443	4443	CC43	CCCC	CCCC	CCCC	4CC3	3333	CCCC	CCCC	D	
750	CC4C	CC44	CC44	CCCC	CCCC	D							
732	23CC	2222	2222	4444	CCCC	4444	C432	CCCC	CCC4	CCCC	4444	2222	3333
759	CCCC	CC41	CCC1	3333	CCC3	CCC4	C431	4443	CCC4	CCC4	CCC4	CCC3	D
1822	4444	4433	4433	CC10	3CC4	CCCC	CC43	4444	4444	CC44	44CC	3344	3333
1764	CC20	C432	C432	C420	CC31	C421	CC42	CC22	CC22	C300	CC00	C300	1100
1781	CCCC	CC44	C443	CC10	33C3	CCC3	4CCC	3344	CCCC	CCCC	34CC	CCCC	CCCC

D.—Died since last test.

From table 9 it will be seen that these birds gave a positive reaction throughout the period that they were under test. Number 732 gave only slight agglutination in all dilutions on April 24th and May 1st. There was no alteration in egg production at this time. *Post-mortem* examinations of the six birds that died are given under the section dealing with the examination of eggs from these birds. The remaining five were killed on conclusion of the experiment. All ovaries showed macroscopic pathological changes and *Salmonella pullora* was recovered from all.

Varying reaction.—Bird No. 11144 was tested on June 16th and gave a partial agglutination in 1-50 and 1-200. It was listed as suspicious and retested June 25th, when it gave complete agglutination in 1-100. Four days later it was tested again when dilutions of 1-50 and 1-100 were negative. It was tested further with the results shown in table 10. The readings represent dilutions of 1-25, 1-50, 1-100 and 1-200. Results are recorded as in previous tables.

TABLE 10

June			July	August		Sept.		Oct.	
16	25	29	31	14	28	11	25	9	16
–44–	– –C–	–00–	0000	0000	4430	4400	2200	3300	4100

As will be seen from table 10, this bird gave a positive reaction, which became negative later becoming again positive. It was killed October 16th. The ovary did not appear pathological. Direct agar plates from crushed follicles remained sterile. Forty-eight-hour broth culture of the ovary when plated gave a pure culture of a gram negative rod which produced no change in any of the carbohydrates employed nor in litmus milk. Attempts to agglutinate the culture with *Salmonella pullora* serum were not of value as the culture

showed auto-agglutination, the tubes containing antigen alone giving complete agglutination or a reading of 4. Further work will be done on the culture later, it being only carried far enough at this time to be certain that it was not *Salmonella pullora* nor *Eberthella sanguinaria*.

Summary.—The blood of eleven birds with infected ovaries showed agglutination constantly, though in varying degree. The 1-25 or 1-50 dilution would have picked out these birds at each test, provided that any degree of agglutination was regarded as positive. The higher dilutions, in some cases, would have failed to pick them out.

One bird gave a reaction varying from negative in all dilutions to complete agglutination in 1-100. *Salmonella pullora* was not recovered from this bird, nor did the ovary appear pathological.

Agglutination results gave no indication of being influenced by laying, broodiness or moulting. Bird No. 11144 was not laying, broody or moulting during the period of observation.

Examination of Eggs from Infected Hens

In Rettger and Stoneburn's first report on bacillary white diarrhea (Bul. 60, Storrs Agr. Exp. Stn., Dec., 1909) in the examination of eggs, *Salmonella pullora* was isolated from one out of six Orpington eggs (16.66 per cent.), and seven out of twenty-six (26.92 per cent.) R.I.R. eggs, which had been incubated for various periods. Later the organism was recovered from one out of twelve eggs (8.33 per cent.). It is not stated how many of these hens were infected, but evidently there were quite a number, as later, out of twenty-three hens killed twenty-one had pathological ovaries. The organism was recovered from nine of the twenty ovaries examined bacteriologically.

Rettger and Stoneburn (Bul. 68, Storrs Agr. Exp. Stn., April, 1911) report a method of examining eggs by incubating the yolk in broth for seventy-two hours and then plating. Not all eggs from hens having infected ovaries contained *Salmonella pullora*. They report seventy-five per cent. in some cases while in others a relatively small number (not stated) and emphasize the necessity of examining a large number of eggs before drawing the conclusion that hens are free from infection.

Rettger (Bul. 75, Storrs Agr. Exp. Stn., Nov., 1913) points out the difficulty of detecting the organism in fresh yolks. He finds that there is little, if any, difference in the value of the two methods used, namely, direct plating of yolk from incubated eggs and the indirect method in broth, the disadvantage of the latter being the greater risk of contamination.

Rettger (Jour. Exp. Med., June, 1914) states that it is often necessary to examine eight or ten eggs (12.5 to 10 per cent.) from a single fowl before any positive evidence may be obtained by this method as to ovarian infection, although the ovaries are decidedly involved.

Hadley, Caldwell, Elkins and Lambert (Bul. 172, Agr. Exp. Stn., R.I. State Coll., Nov., 1917) report on the bacterial infection of the eggs of reacting birds. Fifteen out of thirty-four showed infection, but only five cultures (44.11 per cent.) were tentatively regarded as being closely related to *Salmonella pullora*. In a second series of fifty-seven eggs, from five positive hens, an organism identified as *Salmonella pullora* was recovered from six (10.52 per cent.).

May (Bul. 197, Agr. Exp. Stn., R.I. State Coll., May, 1924) found that there was no transmission of inoculated organisms through the yolks of the eggs, though all hens fed or injected with living cultures of *Salmonella pullora* showed an infection of the ovary with that organism.

Our experiment was commenced on April 12th. Eleven hens giving a positive blood reaction were used in this experiment. One negative bird was included accidentally, but died May 6th. One positive bird died June 1st, another June 4th, another Aug. 26th, another September 17th, another September 26th, and another September 28th. The remainder were killed on October 16th.

From April 12th to June 28th four hundred and twenty eggs were laid. The first two hundred and four eggs were not trap nested, but simply examined with the object of observing the percentage of infected eggs. The remaining two hundred and sixteen were trapped in order to obtain information on the number of infected eggs laid by the individual birds. The laying history of these birds before the experiment was commenced is not known.

Technique of Examination.—Eggs were examined somewhat similarly to the methods described by Hadley and Caldwell in Bul. 164, and May in Bul. 197, of the Agr. Exp. Stn., R.I. State College. The eggs were placed in a container of bichloride of mercury in methyl hydrate. After ten minutes they were removed from the liquid, placed on wire gauze on a stand and the alcohol on them ignited. The large end of the egg was opened with sharp-pointed forceps that had been sterilized in the flame and cooled by dipping in the methyl hydrate. The white was poured off, the yolk broken with a sterile wire and poured into a test tube, nine by one and one-eighth inches, containing about twenty cubic centimeters of fresh beef broth with a reaction of pH 7.8. This was incubated for a period varying from forty-eight to seventy-two hours and a loopful streaked on a portion of an agar plate or on a slant, which was incubated for forty-eight hours.

Results.—Twenty of the four hundred and twenty eggs (4.76 per cent.) gave a culture of *Salmonella pullora*. Eight cultures were overgrown with gram positive spore-forming rods so that the presence or absence of the organism could not be decided. Seven of the two hundred and sixteen trap nested eggs (3.24 per cent.) were positive. These were laid by five hens, two of which laid two infected eggs each, leaving six hens which during this time (May 11th to June 28th) did not lay an infected egg (barring the risk of error from the eight overgrown cultures). Table 11 gives briefly results on the trap-nested birds, of which there were eleven.

TABLE 11

Bird	No. of eggs	No. Positive	No.* Doubtful	Disposition and post-mortem findings	Ovary
572	24	0	2	Killed 16-10-25. Pathological ovary	†
575	33	1	1	Died 26-8-25. Paralyzed. Roundworms. Pathological ovary	†
634	16	0	0	Died 28-9-25. Pathological ovary	†
759	28	0	0	Died 26-9-25. Ruptured oviduct. Peritonitis. Pathological ovary	†
732	28	2	1	Killed 16-9-25. Pathological ovary	†
750	14	1	2	Died 1-6-25. Heat stroke. Pathological ovary	†
755	22	1	0	Died 17-9-25. Peritonitis. Pathological ovary	†
756	1	0	0	Died 4-6-25. Peritonitis probably arising from an old hemorrhage into the oviduct. Pathological ovary	†
1764	2	0	0	Killed 16-10-25. Pathological ovary	†
1781	16	0	2	Killed 16-10-25. Pathological ovary	†
1822	33	2	0	Killed 16-10-25. Pathological ovary	†

*Cultures overgrown with spore-forming bacteria so that presence or absence of *Salmonella pullora* could not be determined.

†*Salmonella pullora* isolated from ovary.

On account of the small number of eggs that appeared to be infected a number were tried later with a more elaborate technique, namely, the incubation of the eggs for a week before planting the yolks in the broth tubes. Only three birds were still laying at this time and as it was necessary to bring the experiment to a conclusion, only thirty-two eggs could be examined. Ten eggs each were laid by hens Nos. 732 and 1822 and twelve by No. 572. Thirty of the cultures were sterile and two gave colonies of cocci. No colonies resembling *Salmonella pullora* developed.

Summary.—Examination of four hundred and fifty-two eggs from eleven infected hens showed the number of infected eggs, as reported by other workers, to be small. From the first batch of four hundred and twenty eggs, 4.76 per cent. gave cultures of *Salmonella pullora*. None of the second batch of thirty-two eggs gave a culture of the organism.

Infection in Adult Birds

The question of the extent to which infection occurs in adult males and females and its method of transmission is an important one from the viewpoint of eradication.

Rettger, Kirkpatrick and Stoneburn (Bul. 74, Storrs Agr. Exp. Stn., Dec., 1912) cited by Beaudette, *Poultry Science*, Aug.-Sept., 1925, carried out experiments showing that adult birds might develop ovarian infection by association with infected hens and from infected litter.

Rettger, Kirkpatrick and Jones (Bul. 77, Storrs Agr. Exp. Stn., June, 1914) showed that agglutinins appear in fowl fed on infected feed, but assume that the blood of these birds acquired agglutinative properties as the direct result of feeding the artificially infected food and not in consequence of ovarian infection, excepting perhaps in two out of nine birds.

Rettger, Kirkpatrick and Card (Bul. 101, Storrs Agr. Exp. Stn., Jan., 1919) were able to infect hens by the introduction of cultures into the cloaca and lower part of the oviduct. Agglutinins appeared in some birds. Twenty-five per cent. became carriers, but did not transmit the infection to other hens. In one case a hen was thought to have become infected through the agency of a male as a passive carrier. However, in another experiment, infection was not spread from inoculated to normal hens even in a pen where there was a male. Regarding experiments in which normal and infected birds were kept together they say: "the latter indicate strongly that the transmission of infection from hen to hen through infected litter and by ordinary contact and association is rare, if, indeed, it takes place at all; for it is quite certain that infection of litter and food did occur for some time after the broth culture of *B. pullorum* was injected into the oviduct."

May (Bul. 197, Agr. Exp. Stn., R.I. State College, May, 1924) found that all hens fed or injected with living cultures of typical *Salmonella pullora* and examined by him showed an infection of the ovary by that organism.

Outbreaks of a septicemic nature have been reported in adults. Jones (Jour. Med. Res., March, 1913), Hadley, Caldwell, Elkins and Lambert (Bul. 172, Agr. Exp. Stn., R.I. State College, Nov., 1917), and Gwatkin (Ann. Rep. Ont. Vet. College, 1924), report outbreaks of disease in adult fowl. In the first named report the disease was produced by the feeding of incubated eggs from an infected flock.

Our experiments to artificially infect adult birds by feeding and recover the organism were not successful, but the number of birds used was small. A

strain of *Salmonella pullora* freshly isolated from a dead chick was employed to feed one old male, two cockerels, one mature capon, and one hen. Results were as follows:

Mature Male.—On February 23rd blood was collected and set up in dilutions of 1-10, 1-25, 1-50 and 1-100. It was negative. Next day one half slant of twenty-four-hour culture of *Salmonella pullora* was fed with a pipette, and the following day one slant washed off in 5.0 c.c. water. Table 12 gives results of agglutination tests. Positive controls read C and negative controls O throughout the series and are not listed. Results are recorded as in previous tables.

Table 12

23-2-25	26-2-25	2-3-25	4-3-25	6-3-25	19-3-25	27-3-25	1-4-25
0000	CC32	CC22	CC20	CCC4	CCC4	CCC4	CC32

The bird was killed April 1st. Testicles, portions of liver, spleen, kidneys and intestines were incubated in tubes of broth for forty-eight hours and the broth streaked on agar plates. No colonies of *Salmonella pullora* developed on any plates.

Mature White Leghorn Capon.—On March 2nd this bird was bled and then fed one slant of freshly isolated twenty-four-hour culture of *Salmonella pullora*. Table 13 gives results of blood tests in dilutions of 1-10, 1-25, 1-50 and 1-100, recorded as in table 1.

Table 13

2-3-25	4-3-25	6-3-25	18-3-25	27-3-25	1-4-25
0000	0000	4000	C432	3300	3300

This bird was killed April 1st. Portions of the liver, spleen, kidneys, heart and intestine were planted in broth and incubated for forty-eight hours, after which the broth was streaked on agar plates. Plates from the intestine were overgrown with spore-forming rods so that the presence or absence of *Salmonella pullora* could not be determined.

Barred Rock Cockerel.—This bird was bled March 6th and two days later was fed a slant of twenty-four-hour, freshly isolated culture of *Salmonella pullora* with a pipette. The blood was tested March 6th, 18th, 27th and 29th. The reaction throughout was negative.

The bird was killed April 29th, and the testicles and portions of the liver aseptically removed, planted in broth and incubated forty-eight hours, after which the broth was streaked on agar plates. No colonies of *Salmonella pullora* developed.

White Leghorn Cockerel.—Blood was collected March 6th. Two days later the bird was fed one slant of twenty-four-hour, freshly isolated culture of *Salmonella pullora* with a pipette. Tests were set up in dilutions of 1-10, 1-25, 1-50 and 1-100. Results are given in table 14 and are recorded as in table 1.

Table 14

6-3-25	18-3-25	27-3-25	29-3-25
0000	3200	2000	2200

This bird was killed March 29th and the testicles and portion of liver were planted in broth. After forty-eight hours incubation the broth was streaked on agar plates. No colonies of *Salmonella pullora* developed.

White Wyandotte Hen.—Blood was collected March 6th. Two days later this bird was fed the same dose of the same culture of *Salmonella pullora* as the previous bird. Results of agglutination tests in dilution of 1-10, 1-25, 1-50, and 1-100 are given in table 15 and recorded as in table 1.

Table 15

6-3-25	9-3-25	18-3-25
0000	4300	3200

The hen was killed March 6th and the ovary aseptically removed, crushed with sterile instruments and planted in broth. After forty-eight hours incubation the broth was streaked on agar plates. No colonies of *Salmonella pullora* developed.

Summary.—In the five birds used for this experiment *Salmonella pullora* could not be recovered from the organs examined at the time the birds were killed, namely, thirty-seven, thirty, fifty-two, twenty-one and twelve days after feeding the culture. Four out of five birds developed agglutinins. Conclusions could not be drawn from such a small number of birds and the experiment is given here for what it is worth. Experiments will be tried to test the theory of the male being a passive carrier.

Examination of Males Giving Positive Agglutination Reactions

The blood of a small percentage of male birds is found to possess more or less agglutinating power. The number found by us was very small and in the few cases we were able to obtain for examination no evidence of infection with *Salmonella pullora* was found.

Rettger, Kirkpatrick and Card (Bul. 101, Storrs Agr. Exp. Stn., Jan., 1919) state that 2.1 per cent. of 1,037 males examined gave a positive blood reaction. Eleven males were killed and thoroughly examined. In the tests of two of the males *Salmonella pullora* was found to be present in large numbers and in pure culture. In four birds the pericardial sac was decidedly abnormal and contained the same organism in pure culture. Out of fifty to fifty-five examinations of this sort the above two cases were the only instances of testicular infection that were found. They conclude that testicular infection is too rare to play a significant part in the transmission of the disease, but consider that the possibility of the male being a passive carrier is important.

Table 16 gives results of agglutination test of blood of four male birds examined.

Table 16

Bird No.	1–10	1–25	1–50	1–100	1–200	1–400	1–800
1191	C	C	3	0	—	—	—
1226	—	C	C	—	—	—	—
1262	3	2	1	0	—	—	—
1673	C	C	C	C	0	0	0

No. 1191. Barred rock, ten months old. All organs appeared normal. A small cyst-like body, like an unabsorbed yolk, was attached to the small intestine by a fibrous cord. It contained a greenish-yellow fluid. Testicles, vasa deferentia, liver, spleen and cyst-like body were plated on agar and also planted in broth and incubated for forty-eight hours at 37°C., after which the broth was plated and plates incubated forty-eight hours.

Fine pullora-like colonies developed from both testicles, but on examination proved to be a fine gram positive coccus not further identified. *Escherichia coli* developed from the cyst-like body. No growth from other organs. No evidence of *Salmonella pullora.*

No. 1226. Mature male. The testicles only of this bird were sent in for examination. Direct plates were made and broth cultures which were plated after forty-eight hours incubation at 37°C. Colonies of a large gram positive rod and *Escherichia coli* developed. No evidence of *Salmonella pullora.*

No. 1262. Northern Ontario male, ten months old. All organs appeared normal. The testicles, the spleen and portion of the liver were removed aseptically and planted in flasks of broth which were incubated at 37°C. for forty-eight hours, after which the broth was streaked over agar plates and incubated for the same length of time. Colonies of *Escherichia coli* and an unidentified gram positive rod developed. There was no evidence of *Salmonella pullora.*

No. 1673. Mature barred rock male. All organs normal in appearance. A small yolk-like body was observed as in No. 1191. Agar plates were made from both testicles, heart blood, and pericardium, and were incubated for forty-eight hours at 37°C. The testicles, pericardium, yolk-like body, and portions of the liver, kidneys and duodenum were planted in large tubes of broth and plated on agar after forty-eight hours incubation at 37°C. The plates were examined after a similar period in the incubator.

Fine pullora-like colonies of a gram positive coccus developed on plates from broth cultures of one testicle, the liver and pericardium. Some colonies of *Escherichia coli* appeared on plates from broth cultures of duodenum, yolk-like body and one testicle. No evidence of *Salmonella pullora.*

Summary.—A careful examination of the organs of four male birds whose blood gave varying agglutination reactions failed to reveal the presence of *Salmonella pullora.*

Bacteriological Examination of Ovaries from Positive and Suspicious Hens

The ovaries of one hundred and two hens whose blood serum had shown a positive or suspicious reaction in the agglutination test were examined for the presence of *Salmonella pullora*. At first a number of follicles were broken down and the material rubbed over the surface of an agar plate with a sterile glass rod. It appeared probable that where one or two follicles only were infected evidence of infection might be missed by this method, so that the ovaries were then crushed, planted in broth and plated on agar after forty-eight hours, the plates being examined after a similar period of incubation. At the same time that the ovary was placed in the tube of broth a direct plate culture was made on which the organism usually appeared in pure culture from fresh material. Some of the ovaries were kept overnight before cultures were made and other bacteria developed on the plates in addition to *Salmonella pullora*. In three cases cultures were overgrown with spore formers, preventing the identification of other colonies if present. Cultures were compared with a culture of *Salmonella pullora* obtained from the Bureau of Animal Industry, U.S. Dept. of Agriculture, and with the description of the organism given by Ward and Gallagher from Rettger and Harvey.

Table 17 shows the dilutions in which the serum of these birds produced agglutination and the degree of agglutination in each dilution.

Table 17

Number of Samples	Dilutions					Bacteriological Examination		
	1–10	1–25	1–50	1–100	1–200	Positive	Negative	Spreaders
69	—	—	C	C	—	64	2	3
5	—	—	C	4	—	5	.....	.....
4	—	—	C	—	—	3	1	.....
1	—	—	4	—	—	1	.....	.....
5	C	C	C	C	—	4	1	.....
1	C	C	C	3	—	1	.....	.....
1	C	C	C	0	—	1	.....	.....
1	C	C	4	2	—	1	.....	.....
1	C	C	3	0	—	1	.....	.....
1	C	3	3	0	—	1	.....	.....
1	3	3	0	0	—	.....	1	.....
1	—	2	2	2	2	1	.....	.....
1	—	3	3	3	3	1	.....	.....
1	—	C	4	2	1	1	.....	.....
2	—	C	C	C	C	2	.....	.....
1	—	C	4	3	3	1	.....	.....
1	—	2	2	0	0	1	.....	.....
1	—	3	3	4	4	1	.....	.....
1	—	C	C	4	0	1	.....	.....
1	—	C	3	0	0	1	.....	.....
1	—	C	C	1	0	1	.....	.....
1	—	C	C	1	0	1	.....	.....
102						94	5	3

Summary.—Out of one hundred and two ovaries examined by bacteriological methods, ninety-four were positive and five negative for *Salmonella pullora*, while the presence or absence of the organism could not be determined in three samples on account of the plates being overgrown with spore forming bacteria.

In the five cases where the organism was not recovered from the ovary the titre of the serum was as high as in those birds in which the organism was found. The table shows that birds giving only partial agglutination in the various dilutions were found to have infected ovaries.

The Liver in Normal Chicks

In connection with the routine examination of chicks it was considered advisable to examine the livers of a number of normal birds. In the *Canadian Veterinary Record*, April, 1925, attention was drawn to the fact that there is often very little to be seen that is of assistance in arriving at the cause of the trouble, and that changes in the appearance of the liver and other organs are not constant enough to be of diagnostic value. A bacteriological examination and careful analysis of methods supplies the only reliable information. In order to obtain information regarding the appearance of healthy chicks, two were chloroformed every twenty-four hours up to the thirteenth day. A coloured chart was made showing the appearance of the livers and egg yolks. This cannot be reproduced here, but a diagram is appended showing the average size of the yolk each day in the two chicks examined. It is possible that if a larger number had been examined these would have had to be altered, as in one or two instances there was a marked difference between the two.

The chicks used for examination were barred rocks. They were given their first feed at about seventy-two hours and were fed like all the other chicks. There was no evidence of any trouble at any time with these birds and in all ways they appeared normal. Cultures were made from the heart and liver of each chick as soon as killed. No growth occurred from any on plain or serum agar plates. Following is digest of notes regarding liver and yolk:

First day.—(Twenty-four hours old.) Liver mustard yellow. Yolk large and yellow.

Second day.—Liver tinged with reddish-brown colour. Yolk reduced to one-third size of twenty-four-hour yolk.

Third day.—More colour in liver, which is, however, still quite yellow. Yolk down to one-quarter size of twenty-four-hour yolk.

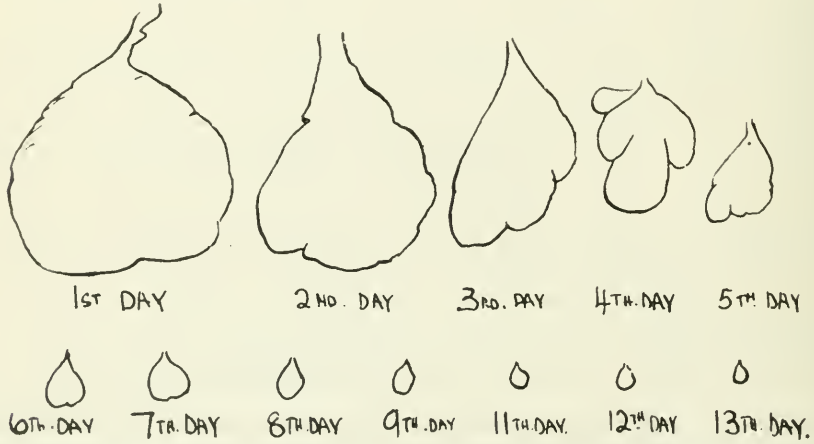


Diagram representing the actual size of yolks removed from chicks first to thirteenth day. The larger yolks appear large on account of flattening out when removed from the abdominal cavity. (Original.)

Fourth day.—Liver shows a little more colour, but still quite yellow. Yolk reduced to one-sixth size of twenty-four-hour yolk.

Fifth day.—Liver same colour as fourth day. Yolk again reduced in size.

Sixth day.—Liver darker in colour, though still yellowish. Yolk smaller.

Seventh day.—Liver much darker in colour. Yolk about the same size as sixth day.

Eighth day.—Liver much browner. It could now be described as a brown liver with a yellowish tint. Yolk same size as sixth and seventh day in one chick, but much smaller in the other.

Ninth day.—Liver browner in colour. Yolk in one chick almost disappeared. Same as eighth day in other.

Tenth day.—Liver same. If anything yellower in both cases than the two chicks killed ninth day. Yolk disappeared in both.

Eleventh day.—Liver same as ninth or tenth day. A small yolk in both chicks.

Twelfth day.—Liver same as eleventh day. Still a small yolk present.

Thirteenth day.—Liver quite brown. No yolk in one chick. A somewhat hardened yolk, having a boiled appearance, in the other.

Summary of Experiments

1. A dilution of 1-50 was the most satisfactory of those tried in the agglutination test, provided that any degree of agglutination in that dilution was regarded as positive and that only sera in good condition were used. A higher dilution did not appear to be of value except in the case of hemolysed samples which in any event should not be tested. Indications were that the ovaries of birds whose blood agglutinated in a dilution of 1-10 only were not infected. More work is planned in connection with low dilutions in infected and healthy flocks.

2. Twenty-four hours' incubation at 37°C., or forty-eight hours at room temperature, was sufficient for routine agglutination tests. In doubtful cases an extra day was valuable.

3. The rapid macroscopic agglutination method, which had been successfully applied to samples of cattle blood in infectious abortion, was not of any value in the detection of *Salmonella pullora* carriers.

4. One of six strains of *Salmonella pullora* examined was unsuitable for an agglutination antigen, showing slight or no agglutination with ten positive sera, indicating that there might be a good deal of variation in the agglutinability of typical cultures and the necessity for picking suitable ones for the preparation of antigen. Variability in gas production was observed in the examination of these cultures.

5. The blood of eleven birds with infected ovaries showed agglutination constantly, though in varying degree, throughout the period of test from April until October, or until they died. Agglutination results gave no indication of being influenced by laying, broodiness or moulting. The ovary of one bird whose blood varied from positive to negative was examined and *Salmonella pullora* was not recovered.

6. Examination of four hundred and fifty-two eggs from eleven infected hens showed only 4.76 per cent. to be infected with *Salmonella pullora*. None of a second batch of thirty-two eggs examined by more elaborate technique were infected, showing that only a small number of eggs from infected hens might be infected.

7. Five mature male and female birds were fed fresh cultures of *Salmonella pullora*. The organism could not be recovered from the organs at time of examination, namely, thirty-seven, thirty, fifty-two, twenty-one and twelve days after feeding the cultures. Four out of five developed agglutinins in their blood.

8. Examination of the organs of four male birds whose blood agglutinated *Salmonella pullora* failed to reveal the presence of that organism.

9. *Salmonella pullora* was recovered from the ovaries of ninety-four out of one hundred and two birds whose blood gave a positive agglutination reaction. It could not be recovered from five, and three cultures were overgrown with spore-forming bacteria, preventing an examination being made.

10. The liver in normal chicks was observed to be yellow for the first week, becoming quite brown by the end of the second week. The yolk had practically disappeared at that time.

FURTHER NOTES ON AVIAN DIPHTHERIA (CHICKEN-POX)

RONALD GWATKIN, D.V.Sc.

Tracheitis.—In the Annual Report of the Ontario Veterinary College for 1924, in reporting some experiments on the etiology, control and treatment of avian diphtheria, we called attention to a very acute form of tracheitis, in which the trachea fills with a sticky, bloody exudate and clots of blood, and in which no yellowish, cheesy material collects in the mouth and larynx. It seemed to occur principally at or after poultry shows, probably owing to lowering of the vitality of the birds due to the close confinement and the opportunity offered for the spread of infection. The respiratory organs of four birds that died of this condition were soaked overnight in one hundred cubic centimeters of salt solution in the ice chest. This was filtered, tested for freedom from bacteria by aerobic and anaerobic culture, scarified into the combs of two birds and poured into the throats of four. Some of the unfiltered fluid was poured into the mouths of four birds in a separate house. Two of the birds receiving filtrate in the mouth developed avian diphtheria, with yellow, cheesy formations in the mouth and larynx. Both birds recovered. The other two remained perfectly well. They were not tested for susceptibility. One of the scarified comb cockerels developed typical chicken-pox scabs. The second bird did not develop any scabs. It was later tested with virulent, powdered chicken-pox scabs, but did not develop any lesions, showing that it was not susceptible. The four birds receiving the unfiltered fluid all developed the disease, three showing yellow exudate. Two of these birds died.

A number of reports have been published regarding this disease in the United States. The Missouri State Poultry Exp. Stn. (Vet. Med., March, 1925) consider the condition due to a series of non-specific causes. They found it to occur in feeding stations and following poultry shows.

May and Tittsler (Jour. A.V.M.A., May, 1925) report on some transmission experiments in which they were successful in reproducing the condition. The first bird died nine days after inoculation. Mucus from this bird was introduced into the trachea of a second bird which died five days later. The other one recovered. Two more birds were inoculated from the one that died in the last experiment. One showed slight running at the nose seven days later while the other did not manifest any symptoms. No canker in the mouth appeared in their experimental birds. In the original flock a few birds showed a small

amount of exudate in the mouth and slight swelling at the eyes. In three other outbreaks canker in the mouth was much more common.

Hinshaw (N. Am. Vet., May, 1925) reports on a study of the disease. Bacteriological examination and animal inoculation had not at that time revealed the causative agent. He reports that in the more chronic types avian diphtheria was always present.

Beach (Jour. A.V.M.A., Feb., 1926) found that infectious bronchitis is readily transmitted to healthy fowl by introduction into the trachea of material from the trachea of an affected fowl. He states that chicken-pox virus is sometimes present in the larynx and trachea of affected birds, but that the importance of this virus is not determined in the etiology of the disease. He found the fowl cholera organism and a diplococcus commonly present in the exudate in the larynx and trachea of naturally infected birds, but does not consider that it has been shown that either of these organisms is concerned in the production of the disease. He produced lesions very similar to infectious bronchitis in one of two fowl inoculated by the introduction of chicken-pox virus into the trachea.

The following experiment was tried this spring with birds affected with this condition.

On May 5th, three dead hens were received with a history that many others were dying. The trachea of each bird was filled with a bloody exudate and clots of pure blood, death evidently having been due to asphyxiation.

The respiratory organs of these birds were soaked overnight in twenty cubic centimeters of salt solution in the ice chest. Fifteen cubic centimeters of the suspension were filtered and aerobic and anaerobic cultures made on serum-glucose agar. No bacteria developed. It was noted at the time that filtering was very slow. On May 7th three cockerels about two months old were treated as follows: The unfiltered fluid was scarified into the comb and larynx of one. The filtrate was similarly applied to the other two birds.

On May 16th the bird receiving the unfiltered fluid developed exudate in the larynx and difficulty in breathing. The birds receiving the filtrate were unaffected. On May 21st the affected bird died from asphyxiation. A large mass of yellow, cheesy exudate was present in the larynx. The trachea was not noticeably inflamed. Some of this exudate was transferred next day to the larynx and comb of two more young cockerels. On June 6th no change had occurred in these birds. At this time these two birds and the first two, which had received the filtrate, were tested for susceptibility by applying virulent, powdered chicken-pox scabs to their combs after lightly scarifying them. Six days later scabs were developing on all. A heavy growth of scabs was removed from the combs of all on June 23rd, indicating that these birds were susceptible.

Summary.—Filtered material from trachea produced no change in two susceptible birds. Unfiltered material gave rise to a mass of exudate in larynx and death, as in the case of typical avian diphtheria. The exudate taken from the larynx of the experimental bird did not reproduce the disease in two susceptible birds.

Mortality Due to Removal of Scabs in Artificially Infected Birds

In collecting scabs for the preparation of vaccine from artificially infected birds it was observed that a large proportion of the birds died a few days later. Beach (U. of Cal. circular, Feb. 1920) reports mortality of from fifty to seventy-five per cent. We have not observed bad results following the removal of scabs in treating cases of natural infection, though the worst natural cases we have

seen do not have an amount of scabs comparable to that produced artificially. The amount of scabs produced does not seem to bear any relationship to the mortality in artificially infected birds, the poorest producers being as likely to die as those having a heavy growth. Some experiments were tried in order to try and determine the cause of these losses.

An Experiment to Determine Whether the Virus is Present in the Blood During the Growth of Scabs, or if it Appears After Removal of Scabs in Birds that Die or Are Ill Following this Operation

Two cockerels, A and B, about four months old, were placed in large cages for this experiment. Temperatures were taken daily at 10 a.m. On June 23rd their combs were lightly scarified, and dried, powdered chicken-pox scab was rubbed in. Blood drawn from the wing was scarified into the combs of other cockerels at two and three day intervals. Scabs were first noticed to be forming on the combs of A and B three days after the inoculation. Following are daily temperatures of these birds.

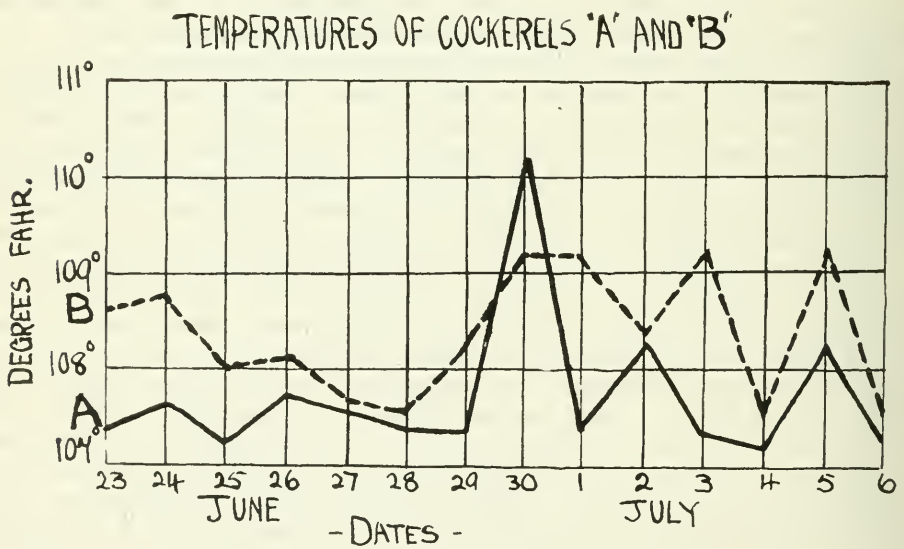


Chart showing the daily variations in the temperature recorded.

A heavy crop of scabs was removed on July 3rd, after taking the regular temperature. Ten minutes later the temperature was taken again. That of A had risen one degree Fahr., while that of B was unchanged. On July 5th and 6th blood was removed from wing as before and scarified into one side of the comb of a cockerel for each day. Both A and B survived the removal of scab. The former was very depressed and weak for a few days, coming gradually back to normal. The latter showed no ill effects. Table 18 shows dates on which blood from A and B was scarified into the combs of other cockerels and the results of this.

Table 18

Bird	June			July		
	25th	28th	30th	3rd	5th	6th
A	0	0	0	0	+	+
B	0	0	0	0	0	0

+ = Scab formation.
0 = No scab formation.

As will be seen from Table 18, no scab formed on any of the combs of inoculated birds prior to removal of scabs. Following this, scabs developed on comb of bird scarified with blood from A, which was the bird showing marked symptoms. One bird was used for A for July 5th and 6th, and one bird for B for the same dates. The right side of the comb was employed for one day and the left for the other. The utmost care was taken to thoroughly clean up the wing joint when drawing blood. The seven inoculated birds that did not develop scabs were tested for susceptibility on July 30th by scarifying the combs with dried, powdered scab from A and B. Scabs developed on all except numbers 714 and 769. The comb of the former had been scarified with blood from B on June 30th, and that of the latter with blood from B on July 5th and 6th.

The indication from this experiment was that the virus was not present in the blood during the development of scabs from artificial infection, but that it appeared in the bird which showed severe symptoms of illness. The bird used for blood transfers from B after removal of scabs was unfortunately not susceptible to the virus. The danger of an accidental infection could not be lost sight of in the case of A and it was decided to repeat the last part of the experiment on other birds which became ill or died following removal of scabs.

Experiment to Detect the Presence of Virus in the Blood of Birds Dying after Removal of Scabs

On September 28th the combs of seven cockerels were lightly scarified, and dried powdered scabs rubbed in. The scabs used were those recovered from the previous experiment. The low mortality in both these experiments, following removal of scabs, was probably due to the fact that this virus had been propagated artificially for some time. We have had fresh scabs that would produce lesions in the nose and mouth from comb inoculation when first collected from a natural outbreak, which after artificial inoculation would only produce comb lesions. On October 17th five birds had developed a heavy crop of scabs and two a light amount. They were removed at this time from all the birds. The next day two birds appeared droopy, and October 19th one died. The other one recovered. The dead bird was opened a few hours after death with sterile instruments and the heart removed to a sterile petri dish. Some of the heart blood was scarified into the combs of two cockerels and the comb of a third bird was scarified with a sterile needle without the application of any blood. They were kept in the same cage. Typical chicken-pox scabs developed on the combs of the two birds scarified with blood. No scabs appeared on the comb of the control bird, the scratches healing normally. This bird was later shown to be susceptible by

scarifying virulent scab into the comb. The blood of the seven cockerels that were used for production of scabs was not tested for the presence of virus before the removal of the scabs, because it was considered that the previous experiment indicated that the virus was not present in the blood before that time.

I am indebted to Dr. F. W. Schofield for advice and assistance in this experiment.

Summary.—Tests of the blood of cockerels whose combs were artificially infected with chicken-pox virus, showed that, in the birds examined, the virus was not present before the removal of scabs but did occur in the blood of birds that died or were ill after their removal, indicating that a generalization of the virus might be the cause of illness and death that commonly follows the collection of scabs. The low mortality in these experiments was probably due to a lowering in virulence of the virus due to artificial propagation.

BOVINE COCCIDIOSIS

Ronald Gwatkin, D.V.Sc.

Coccidiosis in cattle in British Columbia was reported by Bruce in 1921 (Jour. A.V.M.A., March, 1921). He found a dysentery due to coccidia affecting range cattle of all ages. It occurred in the dry interior of the province and usually in the winter. Out of one hundred and sixty-five visibly affected animals fifty died. Young animals suffered the most severely. Fatal cases died usually in from two to five days after showing symptoms, and within twenty-four hours of death were subject to fits of short duration, death occurring in convulsions. The principal lesions were confined to the rectum in older animals and to the small intestine in young calves. The coccidium differed from available accounts of *Eimeria zurni* and also from that described by Smith and Graybill (Jour. Exp. Med., Vol. 28, No. 1, 1918). The name *Eimeria canadensis* was proposed for it.

Marsh (Jour. A.V.M.A., February, 1923) reported coccidiosis in Montana. It occurred principally in calves about six months old, with some cases in yearlings and two-year-olds. Older cattle were occasionally affected. All cases occurred between November and March. Mortality was estimated at twenty-five per cent.

Hutyra and Marek (Path. and Ther. of Diseases of Domestic Animals, Vol. 2) state that the disease occurs almost exclusively during the warm season between the months of June and September. It occurs principally in mountainous parts.

On August 28th we received samples of feces from G. R. Booth, B.V.Sc., of Palmerston, who informed us that he had a few cases of bloody diarrhea. The trouble had appeared first in an old cow which had apparently recovered two weeks previously. On August 23rd the condition was noticed in a yearling heifer. Three more were affected August 26th. The cattle were on alfalfa and red clover pasture. The sample contained numerous oöcysts.

The affected premises were visited in company with Dr. Booth. The following particulars were partly ascertained at that time and partly supplied by Dr. Booth later, to whom we are indebted for material and information.

History.—The owner had thirteen head of cattle. Trouble had commenced about three weeks previously in a cow which passed some bloody feces, but was not noticed to be straining. Two weeks later two more cows developed the

condition. Next day three more were affected. In all, at the time of our visit, eight animals had been noticed to have had diarrhea. They were an aged cow, three four-year-olds, two animals two years old and rising two, and three yearlings.

A bull was kept and cows had been regularly brought in from the neighbours' premises. This animal was stabled and showed no trouble. A small creek passed through the front of the farm. The cattle had access to it at times but were usually watered from a well in the barnyard.

The last cattle purchased were two animals that had been brought in with two carloads of cattle from Toronto in the fall of 1923. The man who had brought these cattle from Toronto had had no trouble of any kind. One of the purchased animals was killed last winter. The other was still on the premises. Neither had been observed to have had diarrhea at any time. On the farm on the east side, from which the creek flowed, there had been an outbreak of diarrhea in the fall of 1924 which was believed at the time to be due to turnips. There had been no trouble on the other farms adjoining or on the corners.

Samples of feces were taken from some of the animals that had recovered and some that had not been affected. No coccidia were found in them.

On September 12th a sample of feces was sent in from a second herd three miles away, from a yearling with bloody diarrhea, and was found to be loaded with oöcysts. This was the only animal affected in this herd.

Later, another herd was found to be affected. It was also three or four miles from the first. In this herd two calves, six to seven months old, were the only ones that appeared to be affected. Many oöcysts were seen in the feces.

A case occurred in a six-months-old calf on the farm across the road in which there had previously been no trouble. Oöcysts were present in the feces in large numbers. This was the only case on the premises. This made the fourth herd within a short distance in which the trouble occurred.

Symptoms.—Young animals showed the most marked symptoms. Straining was violent, a good deal of blood was mixed in the feces and clots of almost pure blood were passed at times. Temperature did not go above 103° F. Animals became rapidly emaciated and the coat was rough. Milk secretion rapidly diminished, but picked up as quickly when straining ceased. Appetite usually remained fair, except in some cases in which rumination ceased for about a day. Most of the affected animals did not seem much troubled even when passing a considerable amount of blood. In some cases the feces were not very liquid even though quite a large amount of blood was present.

Bruce refers to fits occurring in fatal cases, in which the animal appears frightened, staggers, may brace itself by resting the head on the ground with the forelegs widely spread, falls over and froths a little at the mouth, and may get up in a minute or two as if nothing had happened. None of the cases reported here were fatal and this condition was not observed. In one instance nervous twitching was observed in a calf, which finally recovered.

Treatment.—The treatment recommended was that employed by Bruce in British Columbia, namely, sulphate of iron 2 parts, sulphur 2 parts, salt 6 parts, fed at the rate of 50 lbs. of the mixture with 100 lbs. of linseed oil-cake meal to 100 head per day. As a matter of fact most of the affected animals appeared to recover so rapidly that in some cases the treatment was not applied. Liming and ploughing of infected land was recommended where possible, as also proper disposition of feces in stabled animals.

Experimental.—Four cockerels and pullets about two months old were fed 2.5 c.c. of feces that had been kept for two weeks, part in the incubator at 37° C. and part at room temperature. Even after two weeks many of the oöcysts were

unchanged in appearance. Two white rabbits were fed with 5.0 c.c. and later 2.5 c.c. each of the same material. All were kept under observation for a month. They remained normal and no coccidia were observed in the feces.

A number of oöcysts in the early granular stages were measured. They varied in size from 15 to 13 by 18 to 16 microns. Spherical forms were common and varied in diameter from about 14 to 17 microns in diameter.

Summary.—Coccidiosis was diagnosed in four herds on farms within a few miles of each other. There were no fatal cases and recovery in most cases was fairly rapid. Temperatures did not go above 103° F. Treatment recommended was that advocated by Bruce. Young fowl and rabbits were not affected by being fed feces containing oöcysts which had been kept for two weeks. A study has not yet been made of the parasite.

FIFTH
ANNUAL REPORT

OF THE

MINIMUM WAGE BOARD

1925

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

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1926

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Toronto, March 12th, 1926.

To His Honour Henry Cockshutt, Esq.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present to Your Honour the Fifth Annual Report of the Minimum Wage Board of Ontario, for the year 1925.

Respectfully submitted.

Forbes Godfrey,
Minister of Health and Labour.

Toronto, March 11th, 1926

The Honorable Forbes Godfrey, M.D.,
Minister of Labour,
Parliament Buildings, Toronto.

Sir—I have the honour to submit herewith the Fifth Annual Report of the Minimum Wage Board.

I have the honour to be,

Sir,

Your obedient servant,

J. W. Macmillan,
Chairman.

ANNUAL REPORT

MINIMUM WAGE BOARD, 1925

This is the fifth annual report of the Minimum Wage Board. It continues the story told in earlier reports, and shows in what respects the achievements of past years have been extended and established.

The policies and methods adopted when the Board began its work have been maintained, so that its successive reports are serial instalments of the story of the protection of the working women of Ontario. Two tasks were laid upon the Board: First, to issue its orders, and, second, to administer them. The first of these tasks has been practically completed, so that the great mass of the female employees of the Province enjoy the security provided by the basic minimums of wages. The second task has grown with the accomplishment of the first and will continue.

In our previous reports we have testified to the value of the help given us by both employers and employees. None have challenged the validity of the principle which underlies our work, the right of a woman to live from her labour. The industries of the Province share in the conviction of its citizens, which is embodied in the law we administer, that the employer who receives the life's effort of any woman should return to her at least enough to live upon. Representative employers and employees have shared with us in the task of framing the orders for the several trades. We have learned that we need never hesitate to appeal to an employer or employee when we need help, and have found that the same willing co-operation which assisted us in framing the orders is forthcoming in respect to their enforcement.

It should not be forgotten that the entire period of existence of the Board has been one of trade depression, and therefore one in which wages tend to fall. An immediate and direct result of our orders is to prevent wages falling below the cost-of-living line, and it is gratifying to know that this has been accomplished. It is a result which cannot be statistically displayed, so that the figures given in subsequent pages lack the portraiture of this important and vital part of our work. A frustrated intention cannot be worked into a statistical table. None the less, these reductions have been halted and many working women are able to keep themselves in modest comfort who otherwise would have been hard pressed to make ends meet.

The tables in this report, showing comparisons in wages before and after the issuing of the orders, reveal how effectively the sub-normal wages have been cut off. Further evidence of the most convincing kind may be found by comparing present wages with those given in the vocational survey published by the Department of Labour of this Province in 1920. That survey, while not exhaustive, covered typical plants throughout Ontario. It reported a great many low wages. Of the 7,863 females included, 454 were earning less than $6.00 per week. In several industries a fifth of the women employed were below the $6.00 line. Such a condition is now a thing of the past.

But it is not only in salvaging the lowest wages that our work has benefited female workers. The higher wages have also been supported. The underpinning of the basic wages has strengthened the entire column of the wage sheet.

The tables published in this report demonstrate the fallacy of the fear that "the minimum becomes the maximum." In most cases wages have either held their own or increased, while the recessions have been few and small.

Cost of Living Budget

As the wage levels are determined by the cost of living, it is necessary to estimate the least sum upon which a working woman can be expected to support herself. Here is the budget for Toronto as revised in October, 1925:

COST OF LIVING BUDGET

Item	October 1st, 1925	Cost per year
Board and lodging at $7.00 per week		$364 00
Clothing.		
Footwear and repairs, 3 pairs, $5.50, $4.50, $4.25; bedroom slippers, $1.00; rubbers, $1.00; repairs, $2.00	$18 25	
Stockings, 8 pairs	6 40	
Underwear	8 50	
Nightgowns	4 00	
Petticoats and bloomers	5 00	
Corsets, 3 pairs	4 50	
Corset covers	3 00	
Kimona (two years)	1 25	
Hats (two hats)	11 00	
Suits (half cost, to wear two years) (or skirt (one year) $5.00, and light coat (two years) $12.00)	11 00	
Winter coat (half cost to wear two years)	8 25	
Winter dresses	10 00	
Summer dresses, two or three	12 00	
Shirt waists, three	8 50	
Sweater (two years)	2 00	
Aprons	2 50	
Handkerchiefs	2 00	
Gloves	4 00	
Scarf	1 00	
Umbrella, to last two years	1 25	
Total expense for clothing		$124 40
Sundries.		
Laundry	$39 00	
Doctor, dentist, optician	20 00	
Carfare	39 00	
Reading matter	6 00	
Postage and stationery	5 00	
Recreation and amusement	23 00	
Church and charity	10 00	
Incidentals, including brush, comb, soap, tooth paste, talcum powder, nail file, shoe polish, hand lotion, pins, needles, thread, whisk, shoe laces, etc	20 00	
Total expense for sundries		$162 00
Total expense for year		$650 40
Board and lodging per week	$7 00	
Clothing per week	2 39	
Sundries per week	3 11	
Total per week		$12 50

COMPARATIVE STATISTICS

We submit the following statistical tables, which show comparisons of wages, hours, and employment during recent years. The first year in each represents conditions at the time the order concerned was first issued. The figures for later years show what has happened since.

Order No. 1

This order deals with laundries, dye-works and dry-cleaning establishments in the city of Toronto.

	1921	1922	1924	1925
Number of firms reporting	33	41	44	39
Total number of female employees	706	819	864	986
Over 18 years	638	746	790	867
Under 18 years	68	73	74	119
Total weekly wages	$8,888 94	$10,587 16	$11,365 66	$13,090 27
Over 18 years	8,253 94	9,852 06	10,590 66	11,890 27
Under 18 years	635 00	735 10	775 00	1,200 00
Average weekly wages	$12 59	$12 93	$13 15	$13 28
Over 18 years	12 93	13 21	13 41	13 71
Under 18 years	9 33	10 07	10 47	10 09
Percentage young girls under 18	9.6	8.9	8.5	12.1
Percentage married women under 50	....	41.5	32.5	34.5
Average hours worked per week	44.8	46	45.7	46.5

Weekly rate of wages.	1921	1922	1924	1925
Under $7 00	1	...	...	...
7– 8	1	1	1	1
8– 9	8	2	...	...
9–10	33	43	24	47
10–11	65	80	73	88
11–12	72	92	73	63
12–13	168	248	291	377
13–14	106	93	120	119
14–15	89	95	97	97
15–16	68	76	69	58
16–18	51	43	53	62
18–20	20	16	29	30
20–22	16	16	20	18
22–up	8	14	14	26
Total	706	819	864	986

Order No. 4

This order deals with laundries, dye-works and dry-cleaning establishments in cities of more than 30,000 population, excepting Toronto.

	1921	1922	1924	1925
Number of firms reporting	26	27	29	31
Total number of female employees	412	372	382	479
Over 18 years	359	338	348	445
Under 18 years	53	34	34	34
Total weekly wages	$4,825 40	$4,670 00	$4,858 84	$6,312 15
Over 18 years	4,322 60	4,349 93	4,521 84	5,989 21
Under 18 years	502 80	320 07	337 00	322 94
Average weekly wages	$11 71	$12 55	$12 72	$13 17
Over 18 years	12 04	12 87	12 99	13 46
Under 18 years	9 48	9 41	9 91	9 49
Percentage young girls under 18	12.8	9.1	9.06	9.49
Percentage married women under 50	....	27.2	25.8	19.8
Average hours worked per week	47.2	48.08	47.2	47

Weekly rate of wages.	1921	1922	1924	1925
Under $7 00	7	...	...	...
7– 8	13	6	5	9
8– 9	47	5	5	9
9–10	50	13	14	9
10–11	54	32	31	36
11–12	46	64	45	25
12–13	56	145	155	188
13–14	43	38	47	88
14–15	24	19	26	30
15–16	30	13	16	40
16–18	14	11	14	12
18–20	16	12	9	11
20–22	4	10	6	8
22–up	8	4	9	14
Total	412	372	382	479

Order No. 5

This order deals with laundries, dye-works and dry-cleaning establishments throughout the Province, excepting cities of 30,000 population or more.

	1921	1922	1924	1925
Number of firms reporting	33	37	40	40
Total number of female employees	317	315	314	397
Over 18 years	228	247	264	331
Under 18 years	89	68	50	66
Total weekly wages	$3,395 56	$3,420 93	$3,559 36	$4,406 29
Over 18 years	2,594 96	2,785 74	3,102 62	3,850 49
Under 18 years	800 60	635 19	456 74	555 80
Average weekly wages	$10 71	$10 86	$11 34	$11 09
Over 18 years	11 38	11 28	11 75	11 63
Under 18 years	8 99	9 34	9 13	8 42
Percentage young girls under 18	28.07	21.6	15.9	16.6
Percentage married women under 50	....	21.6	19.6	14.6
Average hours worked per week	50.6	49.2	49.4	48.1

Weekly rate of wages:	1921	1922	1924	1925
Under $7 00	6	....	....	....
7– 8	20	18	5	22
8– 9	70	21	19	29
9–10	39	42	45	66
10–11	39	59	49	44
11–12	32	83	89	112
12–13	48	59	60	66
13–14	22	11	12	18
14–15	14	5	7	9
15–16	15	4	12	12
16–18	4	6	7	6
18–20	2	4	4	9
20–22	6	2	4	3
22–up	....	1	1	1
Total	317	315	314	397

Note.—Orders Nos. 1, 4 and 5 are now included in and superseded by Order No. 31. This is the first trade group for which an order was issued. Note the steady increase in all parts of the Province of the numbers employed and of the wages received. At the same time the prices to customers have not increased, but have even been reduced. This happy result is to be accredited to superior efficiency in the laundries, some of which is to be attributed to the co-operation of the Laundrymen's Association and the Minimum Wage Board throughout these five years.

Orders Nos. 2, 7, 8, 9

These orders were issued with the view of covering the factories which tended to employ young girls. They naturally fell into two groups, one of which gathered itself about the candy factory, and the other about the paper-box factory. Since then these two groups have been separated and each has been extended, so that Orders Nos. 2, 7, 8 and 9 are now superseded by Order No. 34, dealing with all the food trades, and Order No. 39, dealing with all the paper trades. In order to preserve the comparison with former years we continue the original group-forms in the following tables. The candy group is *A;* the paper group is *B*.

A

Female employees in confectionery, biscuit, chocolate, jam, gum, grocery specialties, crushed fruit and allied trades, in the city of Toronto:

	1921	1922	1924	1925
Number of firms reporting	31	37	50	48
Total number of female employees	1,992	2,264	2,129	2,437
Over 18 years	1,378	1,647	1,729	1,840
Under 18 years	614	617	400	596
Total weekly wages	$23,654 07	$29,519 41	$28,612 93	$31,558 71
Over 18 years	17,734 19	23,529 68	24,557 59	25,624 56
Under 18 years	5,919 88	5,989 73	4,055 34	5,934 15
Average weekly wages	$11 88	$13 04	$13 44	$12 95
Over 18 years	12 86	14 04	14 20	13 86
Under 18 years	9 62	9 71	10 14	9 96
Percentage of employees under 18	30.8	27.3	18.8	24.5
Percentage married women under 50	....	9.7	8.7	9.7
Average hours worked per week	45.03	45.57	45.9	44.8

Weekly rate of wages:	1921	1923	1924	1925
Under $7 00	17	....	1	1
7– 8	23	9	....	1
8– 9	87	161	148	265
9–10	109	115	154	183
10–11	271	317	154	208
11–12	216	125	152	149
12–13	421	379	506	593
13–14	283	391	225	265
14–15	185	111	201	219
15–16	188	243	179	209
16–18	121	296	210	198
18–20	42	77	103	87
20–22	22	29	51	31
22–up	7	11	45	28
Total	1,992	2,264	2,129	2,437

The same grouping of factories in cities of 30,000 population or over, excepting Toronto:

	1921	1923	1924	1925
Number of firms reporting	16	23	25	26
Total number employees	549	864	647	697
Over 18 years	426	710	515	550
Under 18 years	123	154	132	147
Total weekly wages	$5,381 46	$9,442 68	$7,616 36	$8,966 51
Over 18 years	4,356 14	8,018 81	6,242 20	7,416 33
Under 18 years	1,025 32	1,423 87	1,374 16	1,550 18
Average weekly wages	$9 81	$10 93	$11 77	$12 86
Over 18 years	10 23	11 22	12 12	13 48
Under 18 years	8 33	9 24	10 41	10 54
Percentage young girls under 18	22.4	17.8	20.4	21
Percentage married women under 50	....	....	11.6	19.1
Average hours worked per week	....	....	47	47.8

Weekly rate of wages:	1921	1923	1924	1925
Under $7 00	91	48	1	0
7- 8	46	26	6	2
8- 9	57	94	25	29
9-10	70	180	115	101
10-11	110	113	60	61
11-12	46	182	159	124
12-13	60	61	122	140
13-14	24	41	46	106
14-15	16	50	49	57
15-16	12	18	41	24
16-18	13	16	17	32
18-20	1	20	5	15
20-22	1	8	1	4
22-up	2	7	...	2
Total	549	864	647	697

The same grouping of factories in towns and cities of from 5,000 to 30,000 population:

	1921	1923	1924	1925
Number of firms reporting	14	19	22	21
Total number of employees	512	441	441	424
Over 18 years	341	288	340	311
Under 18 years	171	153	101	113
Total weekly wages	$5,424 02	$4,942 01	$5,012 05	$4,853 44
Over 18 years	4,026 40	3,543 18	4,072 97	3,909 90
Under 18 years	1,397 62	1,398 83	939 08	943 54
Average weekly wages	$10 59	$11 21	$11 36	$11 45
Over 18 years	11 81	12 30	11 98	12 57
Under 18 years	8 17	9 14	9 29	8 35
Percentage of employees under 18	33.4	34.7	22.9	26.6
Percentage married women under 50	....	....	4.8	10.6
Average hours worked per week	....	....	51	50

Weekly rate of wages:	1921	1923	1924	1925
Under $7 00	11	2	5	2
7- 8	86	27	27	40
8- 9	65	77	48	61
9-10	58	60	55	44
10-11	102	94	74	36
11-12	53	49	85	90
12-13	58	53	62	45
13-14	27	16	11	35
14-15	15	12	12	16
15-16	14	17	30	16
16-18	14	14	12	25
18-20	3	5	7	4
20-22	3	5	3	4
22-up	3	10	10	6
Total	512	441	441	424

B

Female employees in paper box, corrugated paper box, paper bag, manufacturing stationery, envelope, tag and cheque book and allied industries in the city of Toronto.

	1921	1922	1924	1925
Number of firms reporting	36	41	52	57
Total number of female employees	993	1,302	1,226	1,310
Over 18 years	722	965	1,006	1,049
Under 18 years	271	337	220	261
Total weekly wages	$13,224 33	$17,415 82	$16,610 86	$18,524 99
Over 18 years	10,282 29	13,975 88	14,397 52	15,896 54
Under 18 years	2,942 04	3,439 94	2,213 34	2,628 45
Average weekly wages	$13 31	$13 38	$13 55	$14 14
Over 18 years	14 24	14 48	14 31	14 15
Under 18 years	10 86	10 21	10 06	10 07
Percentage young girls under 18	27.3	25.9	17.9	19.9
Percentage married women under 50	....	13.3	13.7	14.2
Average hours worked per week	45.2	46.5	45.8	45.8

Weekly rate of wages:	1921	1922	1924	1925
Under $7 00	1	1	....	1
7- 8	10	....	....	12
8- 9	27	77	86	94
9-10	62	91	53	84
10-11	120	127	113	87
11-12	69	73	83	52
12-13	132	221	240	269
13-14	109	128	102	113
14-15	105	177	112	126
15-16	131	126	100	110
16-18	150	183	213	178
18-20	40	55	72	88
20-22	18	27	27	49
22-up	19	16	25	47
Total	993	1,302	1,226	1,310

The same grouping of factories, in cities of 30,000 population or over, ex cepting Toronto.

	1921	1922	1924	1925
Number of firms reporting	12	17	15	15
Total number of female employees	233	335	236	269
Over 18 years	156	275	202	224
Under 18 years	77	60	34	45
Total weekly wages	$2,457 66	$3,982 32	$2,857 40	$3,152 76
Over 18 years	1,786 66	3,378 99	2,537 53	2,747 22
Under 18 years	671 00	603 33	319 87	405 54
Average weekly wages	$10 55	$11 89	$12 11	$11 72
Over 18 years	11 45	12 28	12 56	12 26
Under 18 years	8 71	10 05	9 41	9 01
Percentage young girls under 18	33.04	17.9	14.11	16.8
Percentage married women under 50	....	....	13.1	15.7

Weekly rate of wages:	1921	1922	1924	1925
Under $7 00	14	2	1	...
7- 8	35	...	2	1
8- 9	32	20	7	35
9-10	23	42	38	26
10-11	41	62	32	34
11-12	17	92	50	70
12-13	24	50	41	38
13-14	9	14	19	20
14-15	10	12	12	11
15-16	9	14	11	9
16-18	13	9	9	15
18-20	5	10	9	6
20-22	1	6	4	4
22-up	...	2	1	...
Total	233	335	236	269

The same grouping of factories, in towns of 5,000 to 30,000 population.

	1921	1922	1924	1925
Number of firms reporting	14	17	20	16
Total number of female employees	169	279	291	255
Over 18 years	119	214	229	209
Under 18 years	50	65	62	46
Total weekly wages	$1,870 55	$3,112 11	$3,400 12	$3,099 08
Over 18 years	1,398 97	2,536 48	2,818 98	2,689 57
Under 18 years	471 58	575 63	518 14	409 51
Average weekly wages	$11 07	$11 15	$11 68	$12 15
Over 18 years	11 76	11 85	12 31	12 87
Under 18 years	9 43	8 85	9 37	8 90
Percentage young girls under 18	29.5	23.3	21.3	18.0
Percentage married women under 50	....	....	3.1	7.8
Average hours worked per week	48	48.7	47.5	46.6

Weekly rate of wages:	1921	1922	1924	1925
Under $7 00	5	6	1	...
7– 8	7	16	15	7
8– 9	23	24	29	28
9–10	35	57	17	23
10–11	20	37	31	23
11–12	10	54	86	57
12–13	13	25	46	30
13–14	11	11	8	20
14–15	18	9	20	11
15–16	2	23	18	24
16–18	12	8	7	14
18–20	5	5	5	10
20–22	6	...	3	3
22–up	2	4	5	5
Total	169	279	291	255

The same grouping of factories, in places under 5,000 population.

	1922	1923	1924	1925
Number of firms reporting	1	5	6	7
Total number of female employees	2	70	64	86
Over 18 years	1	54	51	75
Under 18 years	1	16	13	11
Total weekly wages	$15 84	$916 81	$842 31	$1,090 55
Over 18 years	7 92	722 10	708 85	981 19
Under 18 years	7 92	194 71	133 46	109 36
Average weekly wages	$7 92	$13 09	$13 16	$12 74
Over 18 years	7 92	13 38	13 89	13 08
Under 18 years	7 92	12 16	10 27	9 94
Percentage young girls under 18	50.0	22.8	20.31	12.8
Percentage married women under 50	....	....	1.9	9.3
Average hours worked per week	....	48.8	48	47.2

Weekly rate of wages:	1922	1923	1924	1925
Under $7 00	...	2	2	3
7– 8	2	3	2	1
8– 9	...	...	1	3
9–10	...	1	...	2
10–11	...	10	8	12
11–12	...	...	...	...
12–13	...	5	6	13
13–14	...	19	16	19
14–15	...	12	10	26
15–16	...	17	18	5
16–18	...	1	1	...
18–20	...	...	...	1
20–22	...	...	...	1
22–up	...	...	...	...
Total	2	70	64	86

Orders Nos. 3, 6 and 10

These govern saleswomen in retail stores. The following tables give particulars for a number of typical stores, the same stores having been taken throughout the years compared. It is a practical impossibility to gather returns from all the retail stores, so the endeavour is made to present a picture which may be taken as representing conditions generally in the several parts of the Province.

Order No. 3

Retail stores in Toronto.

	1921	1922	1924	1925
Number of firms reporting	13	8	30	25
Total number of female employees	391	188	474	466
Over 18 years	349	180	428	421
Under 18 years	42	8	46	45
Total weekly wages	$5,179 50	$2,747 50	$7,619 50	$7,689 50
Over 18 years	4,693 50	2,654 50	7,109 00	7,168 50
Under 18 years	486 00	93 00	510 50	521 00
Average weekly wages	$13 25	$14 61	$16 07	$16 50
Over 18 years	13 44	14 74	16 61	17 02
Under 18 years	11 57	11 62	11 09	11 57
Percentage young girls under 18	10.7	4.2	9.7	9.6
Percentage married women under 50	....	18.6	8	11.2
Average hours worked per week	49	52.3	49.5	48.6

Weekly rate of wages:	1921	1922	1924	1925
Under $7 00	4	1	5	0
7– 8	9	4	1	0
8– 9	...	1	3	1
9–10	9	...	3	1
10–11	15	1	24	8
11–12	46	10	20	5
12–13	109	42	89	113
13–14	53	19	37	37
14–15	46	24	35	40
15–16	35	24	42	28
16–18	30	30	73	81
18–20	14	15	37	56
20–22	10	8	51	37
22–up	11	9	54	59
Total	391	188	474	466

Order No. 6

Retail stores in cities of 30,000 or over, excepting Toronto.

	1921	1924	1925
Number of firms reporting	26	22	18
Total number of female employees	1,123	1,050	1,099
Over 18 years	930	1,003	1,034
Under 18 years	193	47	65
Total weekly wages	$14,045 00	$14,687 00	$15,248 00
Over 18 years	12,325 50	14,152 00	14,634 00
Under 18 years	1,619 50	535 00	614 00
Average weekly wages	$12 50	$13 98	$13 87
Over 18 years	13 25	14 10	14 15
Under 18 years	8 39	11 38	9 44
Percentage young girls under 18	17.1	4.4	5.9
Percentage married women under 50	...	11.13	9.1
Average hours worked per week	48	48.2	48.2

Weekly rate of wages:	1921	1924	1925
Under $7 00	37	5	2
7– 8	31	3	3
8– 9	127	36	46
9–10	78	36	39
10–11	185	88	100
11–12	77	36	37
12–13	188	351	387
13–14	67	61	73
14–15	65	91	97
15–16	115	120	117
16–18	49	70	59
18–20	34	53	48
20–22	29	35	36
22–up	41	65	55
Total	1,123	1,050	1,099

Order No. 10

Retail stores in towns and cities from 5,000 to 30,000 population.

	1921	1924	1925
Number of firms reporting	103	70	63
Total number of female employees	1,171	976	865
Over 18 years	1,052	913	794
Under 18 years	119	63	71
Total weekly wages	$14,695 36	$13,537 11	$12,068 58
Over 18 years	13,876 36	12,961 36	11,521 58
Under 18 years	819 00	575 75	547 00
Average weekly wages	$12 55	$13 87	$13 95
Over 18 years	13 19	14 19	14 51
Under 18 years	7 72	9 14	8 95
Percentage young girls under 18	10.1	6.4	8.1
Percentage married women under 50	....	7.3	7.5
Average hours worked per week	50.1	50.6	50

Weekly rate of wages:	1921	1924	1925
Under $7 00	63	13	5
7– 8	45	20	16
8– 9	74	44	34
9–10	107	57	39
10–11	166	97	100
11–12	73	89	82
12–13	171	173	133
13–14	38	52	65
14–15	54	60	76
15–16	127	126	87
16–18	83	69	57
18–20	47	58	67
20–22	57	39	45
22–up	66	79	59
Total	1,171	976	865

Retail stores in places under 5,000 population.

	1921	1924	1925
Number of firms reporting	29	25	23
Total number of female employees	149	121	113
Over 18 years	140	116	111
Under 18 years	9	5	2
Total weekly wages	$1,772 65	$1,539 75	$1,476 37
Over 18 years	1,693 15	1,501 25	1,461 37
Under 18 years	79 50	38 50	15 00
Average weekly wages	$11 89	$12 72	$13 07
Over 18 years	12 09	12 94	13 17
Under 18 years	8 83	7 70	7 50
Percentage of young girls under 18	6.0	4.13	1.8
Percentage married women under 50	....	4.9	6.8
Average hours worked per week	52.5	49.9	50.2

Weekly rate of wages:	1921	1924	1925
Under $7 00	11	6	4
7– 8	9	9	5
8– 9	10	13	7
9–10	12	7	16
10–11	28	20	17
11–12	2	7	4
12–13	22	17	15
13–14	4	6	5
14–15	4	5	6
15–16	11	11	10
16–18	3	3	4
18–20	7	6	7
20–22	8	1	3
22–up	8	10	10
Total	149	121	113

Orders Nos. 13, 14, 15, 16

The Textile Trades

Order No. 13

Textile factories in Toronto.

	1922	1923	1924	1925
Number of firms reporting	31	33	34	36
Total number of female employees	1,773	2,076	2,423	2,200
Over 18 years	1,482	1,845	2,136	1,982
Under 18 years	291	231	287	218
Total weekly wages	$23,757 45	$31,987 78	$35,499 13	$32,023 09
Over 18 years	20,817 13	29,195 64	32,269 42	29,577 72
Under 18 years	2,940 32	2,792 14	3,229 71	2,445 37
Average weekly wages	$13 39	$15 40	$14 65	$14 56
Over 18 years	14 04	15 82	15 11	14 92
Under 18 years	10 10	12 08	11 26	11 23
Percentage young girls under 18	16.4	11.1	11.3	9.9
Percentage married women under 50	....	....	14.3	17.4
Average hours worked per week	45.5	44.9	44.3	45.3

Weekly rate of wages:	1922	1923	1924	1925
Under $7 00	10	1	8	0
7– 8	14	0	9	0
8– 9	20	24	42	38
9–10	55	38	34	46
10–11	131	114	138	98
11–12	161	121	220	216
12–13	262	266	326	435
13–14	184	162	228	198
14–15	198	306	347	191
15–16	178	310	251	177
16–18	255	204	320	241
18–20	200	97	353	314
20–22	74	224	101	166
22–up	31	209	46	80
Total	1,773	2,076	2,423	2,200

Order No. 14

Textile factories in cities of 30,000 population or over, excepting Toronto.

	1922	1923	1924	1925
Number of firms reporting	20	21	23	23
Total number of female employees	2,173	3,108	3,406	3,727
Over 18 years	1,555	2,573	2,825	3,110
Under 18 years	618	535	581	617
Total weekly wages	$26,788 24	$40,042 63	$45,823 64	$47,796 04
Over 18 years	20,547 53	33,916 32	39,386 66	41,145 64
Under 18 years	6,220 70	6,126 31	6,436 98	6,650 40
Average weekly wages	$12 32	$12 89	$13 45	$12 82
Over 18 years	13 21	13 18	13 94	13 23
Under 18 years	10 06	11 45	11 08	10 78
Percentage young girls under 18	28.4	17.2	17.1	16.5
Percentage married women under 50	....	....	14.4	17.9
Average hours worked per week	48.1	48.1	48.0	47.8

Weekly rate of wages:	1922	1923	1924	1925
Under $7 00	30	3	3	10
7– 8	77	32	32	38
8– 9	156	168	128	133
9–10	194	200	191	252
10–11	284	368	348	367
11–12	215	389	359	426
12–13	293	596	682	755
13–14	216	285	445	444
14–15	202	236	239	295

Weekly rate of wages:	1922	1923	1924	1925
Under 15–16	189	207	284	255
16–18	180	336	345	322
18–20	89	187	206	235
20–22	28	67	93	94
22–up	20	34	51	92
Total	2,173	3,108	3,406	3,727

Order No. 15

Textile factories in cities and towns of from 5,000 to 30,000 population.

	1922	1923	1924	1925
Number of firms reporting	53	59	58	56
Total number of female employees	3,451	4,229	3,689	3,946
Over 18 years	2,540	3,263	2,931	3,202
Under 18 years	911	966	758	744
Total weekly wages	$41,539 16	$51,908 32	$45,027 80	$50,296 61
Over 18 years	33,557 54	42,105 36	37,389 53	42,270 20
Under 18 years	7,981 62	9,802 96	7,638 27	7,594 41
Average weekly wages	$12 06	$12 27	$12 21	$12 74
Over 18 years	13 21	12 90	12 75	13 33
Under 18 years	8 76	10 14	10 08	10 21
Percentage young girls under 18	26.4	22.8	20.5	18.8
Percentage married women under 50	....	....	....	15.1
Average hours worked per week	49.1	49.7	49.3	50.2

Weekly rate of wages:	1922	1923	1924	1925
Under $7 00	94	46	28	33
7– 8	168	173	93	122
8– 9	275	255	174	164
9–10	366	424	381	235
10–11	466	574	363	428
11–12	370	788	707	894
12–13	435	493	677	476
13–14	348	378	377	372
14–15	322	433	315	348
15–16	162	147	190	262
16–18	227	320	219	312
18–20	138	81	82	195
20–22	45	49	62	62
22–up	35	68	21	43
Total	3,451	4,229	3,689	3,946

Order No. 16

Textile factories in places having less than 5,000 urban population.

	1922	1923	1924	1925
Number of firms reporting	60	63	63	63
Total number of female employees	2,237	2,459	2,335	2,289
Over 18 years	1,813	1,973	1,897	1,931
Under 18 years	424	486	438	358
Total weekly wages	$24,982 02	$28,664 78	$28,177 32	$27,441 05
Over 18 years	21,622 79	23,468 58	24,140 20	24,052 84
Under 18 years	3,359 23	5,196 20	4,037 12	3,388 21
Average weekly wages	$11 17	$11 65	$12 06	$11 99
Over 18 years	11 93	11 89	12 72	12 45
Under 18 years	7 92	10 69	9 22	9 46
Percentage young girls under 18	18.9	19.7	18.8	15.3
Percentage married women under 50	....	....	16.4	16.1
Average hours worked per week	51.4	52.5	51.4	51.6

Weekly rate of wages:	1922	1923	1924	1925
Under $7 00	123	58	27	16
7– 8	79	64	44	76
8– 9	217	173	167	131
9–10	249	277	263	365
10–11	392	430	387	342
11–12	302	360	308	205
12–13	211	228	243	342
13–14	347	413	233	370
14–15	86	85	426	109
15–16	73	224	85	100
16–18	78	84	75	113
18–20	47	34	36	55
20–22	19	11	24	45
22–up	14	18	17	20
Total	2,237	2,459	2,335	2,289

Orders Nos. 17, 18, 19, 20

The Needle Trades

Order No. 17

Needle trade factories in Toronto.

	1922	1923	1924	1925
Number of firms reporting	269	321	329	308
Total number of female employees	7,187	7,991	7,978	7,918
Over 18 years	6,676	7,411	7,455	7,444
Under 18 years	511	580	523	474
Total weekly wages	$97,958 39	$117,227 34	$118,111 09	$121,235 05
Over 18 years	93,897 65	111,133 41	112,825 08	116,276 82
Under 18 years	4,060 74	6,093 93	5,286 01	4,958 23
Average weekly wages	$13 63	$14 67	$14 80	$15 31
Over 18 years	14 06	15 00	15 13	15 62
Under 18 years	7 95	10 51	10 11	10 46
Percentage young girls under 18	7.1	7.2	6.5	5.9
Percentage married women under 50	....	....	15.7	15.8
Average hours worked per week	44.2	44.1	43.9	44.1

Weekly rate of wages:	1922	1923	1924	1925
Under $7 00	99	60	51	62
7– 8	72	48	56	48
8– 9	150	169	187	195
9–10	190	181	189	173
10–11	532	484	431	404
11–12	471	508	717	648
12–13	870	1,249	1,273	1,402
13–14	1,390	1,174	1,174	1,025
14–15	353	498	606	583
15–16	592	820	636	599
16–18	731	920	844	857
18–20	600	653	642	569
20–22	371	507	448	428
22–up	766	720	724	925
Total	7,187	7,991	7,978	7,918

Order No. 18

Needle trade factories in cities of 30,000 population or over, excepting Toronto.

	1922	1923	1924	1925
Number of firms reporting	51	41	49	54
Total number of female employees	874	660	842	775
Over 18 years	811	604	782	736
Under 18 years	63	56	60	39
Total weekly wages	$11,764 27	$8,818 18	$12,203 75	$10,760 54
Over 18 years	11,229 17	8,312 04	11,642 75	10,393 72
Under 18 years	535 10	506 14	561 00	366 82

	1922	1923	1924	1925
Average weekly wages	$13 46	$13 36	$14 49	$13 88
Over 18 years	13 84	13 76	14 88	14 12
Under 18 years	8 49	9 03	9 35	9 41
Percentage young girls under 18	7.2	8.4	7.1	5.0
Percentage married women under 50	....	....	23.4	19.3
Average hours worked per week	45.1	45.3	45.9	45.5

Weekly rate of wages:	1922	1923	1924	1925
Under $7 00	40	10	14	4
7– 8	39	6	8	7
8– 9	48	34	34	25
9–10	49	72	91	47
10–11	72	75	109	100
11–12	69	58	72	77
12–13	85	87	111	106
13–14	74	48	70	47
14–15	78	49	54	64
15–16	66	91	107	92
16–18	105	48	65	76
18–20	76	39	48	54
20–22	41	23	26	42
22–up	32	20	33	32
Total	874	660	842	775

Order No. 19

Needle trade factories in cities and towns of from 5,000 to 30,000 population.

	1922	1923	1924	1925
Number of firms reporting	37	53	54	54
Total number of female employees	1,157	1,959	1,792	1,469
Over 18 years	954	1,648	1,530	1,284
Under 18 years	203	311	262	185
Total weekly wages	$13,599 09	$23,120 56	$22,996 89	$18,508 91
Over 18 years	12,310 26	20,558 63	20,637 52	16,728 38
Under 18 years	1,288 83	2,561 93	2,359 37	1,780 53
Average weekly wages	$11 75	$11 80	$12 88	$12 67
Over 18 years	12 90	12 47	13 48	13 03
Under 18 years	6 34	8 23	9 01	9 63
Percentage young girls under 18	17.5	15.8	14.6	12.6
Percentage married women under 50	....	....	10.4	11.2
Average hours worked per week	46.9	46.9	46.3	46.6

Weekly rate of wages:	1922	1923	1924	1925
Under $7 00	83	62	48	49
7– 8	97	107	78	47
8– 9	95	183	133	67
9–10	89	174	114	124
10–11	118	217	233	170
11–12	95	302	230	285
12–13	105	240	193	179
13–14	91	101	127	122
14–15	109	121	111	90
15–16	57	121	137	107
16–18	158	109	167	120
18–20	33	94	86	36
20–22	15	36	53	31
22–up	12	92	82	42
Total	1,157	1,959	1,792	1,469

Order No. 20

Needle trade factories in places having less than 5,000 urban population.

	1922	1923	1924	1925
Number of firms reporting	10	13	18	13
Total number of female employees	107	117	134	127
Over 18 years	100	100	104	103
Under 18 years	7	17	30	24
Total weekly wages	$999 09	$1,265 23	$1,560 13	$1,506 10
Over 18 years	938 11	1,107 86	1,294 61	1,305 20
Under 18 years	60 98	157 37	265 52	200 90
Average weekly wages	$9 33	$10 81	$11 64	$11 86
Over 18 years	9 38	11 07	12 44	12 67
Under 18 years	8 71	9 25	8 85	8 37
Percentage young girls under 18	6.5	14.5	22.4	18.8
Percentage married women under 50	....	....	18.6	8.7
Average hours worked per week	47.5	48.1	47	47.1

Weekly rate of wages:	1922	1923	1924	1925
Under $7 00	24	5	12	3
7- 8	10	5	12	10
8- 9	13	28	13	18
9-10	25	10	14	18
10-11	13	20	13	16
11-12	2	5	8	12
12-13	7	13	12	10
13-14	3	11	5	7
14-15	2	9	14	8
15-16	3	5	11	8
16-18	3	3	9	6
18-20	....	....	6	6
20-22	1	1	1	2
22-up	1	2	4	3
Total	107	117	134	127

We include an interesting comparison of the needle and textile trades, which are the two leading trades in respect of employment of women. It will be seen that the numbers they employ and the wages they disburse are much the same, but that the needle trades are largely concentrated in Toronto while the textile trades are scattered through the Province, even into the smaller villages. As is to be expected from these geographical differences, the textile trades employ more young girls and work longer hours.

COMPARISON OF NEEDLE AND TEXTILE TRADES, 1925

	No. Firms reporting	Total No. female employees	Total weekly wages	Average weekly wages			Percentage under 18	Percent. Married women under 50	Average hours worked per week
				All Employees	Employees over 18	Employees under 18			
Toronto:									
Needle trades	308	7,918	$121,235 05	$15 31	$15 62	$10 46	5.9	15.8	44.1
Textile "	36	2,200	32,023 09	14 56	14 92	11 23	9.9	17.4	45.3
Ottawa, Hamilton, London & Windsor:									
Needle trades	54	775	$10,760 54	$13 88	$14 12	$ 9 41	5.0	19.3	45.5
Textile "	23	3,727	47,796 04	12 82	13 23	10 78	16.5	17.9	47.8
Places, 5,000 to 30,000 pop.:									
Needle trades	54	1,469	$18,508 91	$12 67	$13 03	$ 9 63	12.6	11.2	46.6
Textile "	56	3,946	50,296 61	12 74	13 33	10 21	18.8	15.1	50.2
Places under 5,000 pop.:									
Needle trades	13	127	$ 1,506 10	$11 86	$12 67	$8 37	18.8	8.7	47.1
Textile "	63	2,289	27,441 05	11 99	12 45	9 46	15.3	16.1	51.6
All pop. divisions:									
Needle trades	429	10,289	$152,010 60	$14 77	$15 12	$10 12	7.02	15.3	44.7
Textile "	178	12,162	157,556 79	12 95	13 45	10 36	15.9	16.5	49.3

Orders 21, 22, 23, 24

These govern wages in the following trades: Drugs, chemicals, pharmaceutical or toilet preparations, cereals, teas, dyes, inks, shoe blacking or polish, mucilage, medicines, non-corrosive acids and non-hazardous chemicals or chemical preparations.

Order No. 21

In the city of Toronto.

	1923	1924	1925
Number of firms reporting	58	67	68
Total number of female employees	635	653	704
Over 18 years	511	569	598
Under 18 years	124	84	106
Total weekly wages	$8,169 92	$9,363 24	$10,161 44
Over 18 years	6,824 45	8,355 90	9,029 57
Under 18 years	1,345 47	1,007 34	1,131 87
Average weekly wages	$12 86	$14 34	$14 43
Over 18 years	13 35	14 68	15 10
Under 18 years	10 85	11 98	10 67
Percentage young girls under 18	19.5	12.8	15.05
Percentage married women under 50	14.6	13.3	11.36
Average hours worked per week	44.3	44.3	44.1

Weekly rate of wages:	1923	1924	1925
Under $7 00	4	....	2
7- 8	4	....	....
8- 9	13	22	26
9-10	26	21	12
10-11	79	38	46
11-12	50	32	38
12-13	154	160	139

Weekly rate of wages:	1923	1924	1925
Under 13–14	86	77	82
14–15	101	90	106
15–16	49	47	73
16–18	35	63	81
18–20	14	40	37
20–22	7	27	24
22–up	13	36	38
Total	635	653	704

Order No. 22

In cities of 30,000 population or over, excepting Toronto.

	1923	1924	1925
Number of firms reporting	25	31	28
Total number of female employees	213	265	318
Over 18 years	172	233	282
Under 18 years	41	32	36
Total weekly wages	$2,768 71	$3,679 13	$4,302 85
Over 18 years	2,291 56	3,320 31	3,934 67
Under 18 years	477 15	358 82	368 18
Average weekly wages	$12 99	$13 88	$13 53
Over 18 years	13 32	14 25	13 95
Under 18 years	11 63	11 21	10 23
Percentage young girls under 18	19.09	12.07	11.32
Percentage married women under 50	8	9.01	12.26
Average hours worked per week	45	46	45.5

Weekly rate of wages:	1923	1924	1925
Under $7 00	....	1	...
7– 8	3	1	...
8– 9	24	3	15
9–10	24	24	28
10–11	17	29	26
11–12	34	41	43
12–13	19	26	28
13–14	28	36	33
14–15	17	13	34
15–16	10	34	48
16–18	14	23	17
18–20	11	11	17
20–22	5	8	7
22–up	7	15	22
Total	213	265	318

Order No. 23

In cities and towns of from 5,000 to 30,000 population.

	1923	1924	1925
Number of firms reporting	15	15	15
Total number of female employees	207	201	213
Over 18 years	174	184	190
Under 18 years	33	17	23
Total weekly wages	$2,673 65	$2,737 29	$3,340 52
Over 18 years	2,287 94	2,547 59	3,092 40
Under 18 years	385 71	189 61	248 12
Average weekly wages	$12 92	$13 62	$15 68
Over 18 years	13 15	13 84	16 27
Under 18 years	11 69	11 15	10 79
Percentage young girls under 18	15.9	8.4	10.8
Percentage married women under 50	2.9	7.9	5.2
Average hours worked per week	44.5	44.5	44.9

Weekly rate of wages:	1923	1924	1925
Under $7 00	...	...	2
7– 8	1	...	2
8– 9	3	3	2
9–10	11	1	2
10–11	12	10	26
11–12	56	93	17
12–13	26	13	16
13–14	25	10	29
14–15	17	6	12
15–16	14	8	11
16–18	35	29	13
18–20	4	14	19
20–22	1	11	22
22–up	2	3	20
Total	207	201	213

Order No. 24

In places having less than 5,000 urban population.

	1923	1924	1925
Number of firms reporting	14	16	16
Total number of female employees	174	167	174
Over 18 years	146	151	161
Under 18 years	28	16	13
Total weekly wages	$1,805 47	$1,996 55	$2,105 11
Over 18 years	1,559 07	1,828 41	1,957 26
Under 18 years	246 40	168 14	147 85
Average weekly wages	$10 38	$11 95	$12 10
Over 18 years	10 68	12 11	12 16
Under 18 years	8 80	10 55	11 35
Percentage young girls under 18	16.09	9.52	7.5
Percentage married women under 50	3.45	5.09	5.5
Average hours worked per week	46.2	46.2	46.6

Weekly rate of wages:	1923	1924	1925
Under $7 00	...	...	...
7– 8	35	4	1
8– 9	14	3	9
9–10	56	7	7
10–11	23	50	49
11–12	12	56	41
12–13	9	16	29
13–14	3	4	7
14–15	5	6	6
15–16	5	6	4
16–18	3	3	8
18–20	4	8	2
20–22	2	...	7
22–up	3	4	4
Total	174	167	174

Order No. 28

Governing wages in the boot and shoe and all other leather trades in the city of Toronto.

	1923	1924	1925
Number of firms reporting	28	28	30
Total number of female employees	381	522	685
Over 18 years	299	427	546
Under 18 years	82	95	137

	1923	1924	1925
Total weekly wages	$5,519 98	$7,642 75	$9,956 08
Over 18 years	4,674 65	6,694 50	8,671 02
Under 18 years	845 33	948 25	1,285 06
Average weekly wages	$14 48	$14 64	$14 58
Over 18 years	15 64	15 68	15 88
Under 18 years	10 31	9 98	9 38
Percentage young girls under 18	21.5	18	20
Percentage married women under 50	21.8	21.2	22.1
Average hours worked per week	45.1	45.6	45.3

Weekly rate of wages:	1923	1924	1925
Under $7 00	....	....	....
7- 8	8	2	9
8- 9	21	17	58
9-10	25	34	40
10-11	30	54	60
11-12	12	25	24
12-13	39	38	42
13-14	21	68	57
14-15	24	52	97
15-16	41	48	52
16-18	47	49	87
18-20	45	69	71
20-22	47	48	64
22 up	21	18	22
Total	381	522	683

The same trades in cities over 30,000, excepting Toronto.

	1923	1924	1925
Number of firms reporting	5	7	6
Total number of female employees	107	172	189
Over 18 years	97	150	168
Under 18 years	10	22	21
Total weekly wages	$1,626 07	$2,800 17	$3,081 73
Over 18 years	1,522 37	2,523 13	2,869 18
Under 18 years	103 70	277 04	212 55
Average weekly wages	$15 19	$16 28	$16 34
Over 18 years	15 71	18 82	17 08
Under 18 years	10 37	12 59	10 12
Percentage young girls under 18	9.3	12.8	11.1
Percentage married women under 50	33.6	21.5	28.6
Average hours worked per week	47	47.4	46.6

Weekly rate of wages:	1923	1924	1925
Under $7 00	1	1	....
7- 8	....	2	1
8- 9	4	2	4
9-10	4	8	12
10-11	9	10	15
11-12	6	17	10
12-13	8	13	11
13-14	16	13	7
14-15	6	11	14
15-16	12	12	22
16-18	15	19	29
18-20	10	19	22
20-22	6	25	16
22 up	10	20	26
Total	107	172	189

The same trades in towns and cities of from 5,000 to 30,000 population.

	1923	1924	1925
Number of firms reporting	28	28	25
Total number of female employees	544	561	517
Over 18 years	443	445	415
Under 18 years	101	116	102
Total weekly wages	$7,003 32	$7,301 80	$6,954 55
Over 18 years	6,058 87	6,266 45	5,972 36
Under 18 years	944 45	1,035 25	982 19
Average weekly wages	$12 87	$13 01	$13 45
Over 18 years	13 67	14 08	14 39
Under 18 years	9 35	8 91	9 69
Percentage young girls under 18	18.5	20.6	19.7
Percentage married women under 50	14.9	14.9	17.7
Average hours worked per week	49.2	49	50.4

Weekly rate of wages:	1923	1924	1925
Under $7 00	15	16	7
7– 8	18	43	23
8– 9	46	54	31
9–10	24	31	37
10–11	57	38	50
11–12	29	43	35
12–13	131	45	109
13–14	42	101	33
14–15	23	29	29
15–16	39	42	31
16–18	41	55	60
18–20	41	27	35
20–22	19	14	14
22–up	19	23	23
Total	544	561	517

The same trades in places under 5,000 population.

	1923	1924	1925
Number of firms reporting	17	19	15
Total number of female employees	335	442	459
Over 18 years	275	357	354
Under 18 years	60	85	105
Total weekly wages	$3,737 07	$5,044 87	$5,499 15
Over 18 years	3,226 47	4,256 84	4,542 47
Under 18 years	510 67	788 03	956 68
Average weekly wages	$11 15	$11 41	$11 98
Over 18 years	11 73	11 92	12 83
Under 18 years	8 51	9 27	9 11
Percentage young girls under 18	17.9	19.2	22.8
Percentage married women under 50	10.7	12.2	16.1
Average hours worked per week	48.8	48.4	50.4

Weekly rate of wages:	1923	1924	1925
Under $7 00	28	23	26
7– 8	29	36	27
8– 9	34	56	68
9–10	42	38	50
10–11	44	66	47
11–12	35	56	37
12–13	34	33	57
13–14	18	42	30
14–15	16	19	25
15–16	12	22	25
16–18	27	26	22
18–20	5	8	17
20–22	5	6	12
22–up	6	11	16
Total	335	442	459

Order No. 29

Governing wages in departmental stores in the city of Toronto, having more than 150 employees.

	1921	1922	1924	1925
Number of firms reporting	3	3	3	2
Total number of female employees	2,782	2,951	3,588	3,811
Over 18 years	2,376	2,580	3,181	3,241
Under 18 years	406	371	407	570
Total weekly wages	$38,580 50	$41,240 50	$56,044 00	$56,142 50
Over 18 years	34,648 50	37,590 50	51,770 50	50,280 50
Under 18 years	3,932 50	3,650 00	4,274 50	5,862 00
Average weekly wages	$13 86	$13 63	$15 62	$14 73
Over 18 years	14 58	14 57	16 27	15 51
Under 18 years	9 68	9 81	10 50	10 28
Percentage young girls under 18	14.6	12.5	12.3	14.9
Percentage married women under 50	....	8	12.2	15.7
Average hours worked per week	47	47	47	48

Weekly rate of wages:	1921	1922	1924	1925
Under $7 00	....	5	....	....
7– 8	10	28	....	....
8– 9	178	242	122	197
9–10	171	133	115	146
10–11	101	110	96	86
11–12	71	77	87	87
12–13	309	405	302	367
13–14	324	433	484	682
14–15	393	375	563	560
15–16	398	339	532	576
16–18	428	366	667	484
18–20	181	200	293	273
20–22	111	102	130	128
22–up	107	136	197	225
Total	2,782	2,951	3,688	3,811

Order No. 30

Governing wages in the electrical trades in the city of Toronto.

	1923	1925
Number of firms reporting	8	11
Total number of female employees	593	483
Over 18 years	488	431
Under 18 years	105	52
Total weekly wages	$7,668 87	$6,992 36
Over 18 years	6,582 59	6,367 16
Under 18 years	1,086 28	625 20
Average weekly wages	$12 93	$14 48
Over 18 years	13 51	14 77
Under 18 years	10 34	12 02
Percentage young girls under 18	17.87	10.8
Percentage married women under 50	16.6	20.1
Average hours worked per week	47	47

Weekly rate of wages:	1923	1925
Under $7 00	....	....
7– 8	....	....
8– 9	9	7
9–10	15	20
10–11	36	72
11–12	120	12
12–13	97	59
13–14	94	41
14–15	100	81
15–16	43	24
16–18	42	14
18–20	25	150
20–22	9	1
22–up	3	2
Total	593	483

The same trades in cities over 30,000, excepting Toronto.

	1923	1925
Number of firms reporting	4	5
Total number of female employees	73	583
Over 18 years	52	564
Under 18 years	21	19
Total weekly wages	$1,015 09	$8,671 60
Over 18 years	765 42	8,456 44
Under 18 years	250 67	215 16
Average weekly wages	$13 91	$14 87
Over 18 years	14 72	14 99
Under 18 years	11 93	11 31
Percentage young girls under 18	27.8	3.2
Percentage married women under 50	9.6	3.4
Average hours worked per week	46.6	47.8

Weekly rate of wages:	1923	1925
Under $7 00	....	....
7– 8	....	....
8– 9	1	....
9–10	4	....
10–11	7	3
11–12	11	28
12–13	7	37
13–14	10	20
14–15	11	56
15–16	3	215
16–18	9	117
18–20	8	51
20–22	2	20
22–up	....	36
Total	73	583

The same trades in cities and towns of from 5,000 to 30,000 population.

	1923	1925
Number of firms reporting	4	5
Total number of female employees	32	284
Over 18 years	21	242
Under 18 years	11	42
Total weekly wages	$351 25	$3,531 41
Over 18 years	242 75	3,028 46
Under 18 years	108 50	502 95
Average weekly wages	$10 00	12 43
Over 18 years	11 56	12 51
Under 18 years	9 86	11 97
Percentage young girls under 18	34.4	14.8
Percentage married women under 50	12.5	13.4
Average hours worked per week	48.5	49.8

Weekly rate of wages:	1923	1925
Under $7 00	....	....
7– 8	....	....
8– 9	4	5
9–10	0	27
10–11	17	18
11–12	4	57
12–13	2	63
13–14	1	51
14–15	3	10
15–16	....	33
16–18	....	11
18–20	....	5
20–22	1	1
22–up	....	3
Total	32	284

The same trades in places under 5,000 population.

	1923	1925
Number of firms reporting	1	1
Total number of female employees	3	10
Over 18 years	3	10
Under 18 years	....	....
Total weekly wages	$34 00	$115 33
Over 18 years	34 00	115 33
Under 18 years	....	....
Average weekly wages	$11 33	$11 53
Over 18 years	11 33	11 53
Under 18 years	....	....
Average hours worked per week	50	55

Weekly rate of wages:	1923	1925
Under $7 00	....	....
7– 8	....	....
8– 9	....	....
9–10	....	1
10–11	2	1
11–12	....	4
12–13	1	3
13–14	....	1
14–15	....	....
15–16	....	....
Total	3	10

Orders Issued During the Year 1925

During the year covered by this report one order was issued. It covers restaurants and refreshment rooms in cities of 30,000 population or over, excepting Toronto, and is listed as No. 40.

Administration of the Orders

In all the trades where such a plan is feasible, printed cards containing the orders are required to be posted where the employees can readily see them. We owe a great deal to Mr. J. T. Burke, Chief Factory Inspector, and his corps of inspectors for a steady succession of reports as to compliance with this requirement.

Regularly once a fortnight Mr. Burke meets with the Board for the discussion of complaints. These come in many ways, and from many sources, and almost all are adjusted in an amicable fashion. During 1925 we received twenty-two (22) Factory Inspection Branch reports and dealt at these meetings with 194 complaints.

We gather each year from all the firms in the factory trades, and from a considerable number in other trades, particularized wage-sheets as to their female employees. From these the statistical tables are compiled which appear in this report and which give pictures of employment conditions which are of growing value to students and legislators. Their immediate and chief value, however, is to enable us to discover whether or not our orders are being obeyed. Each wage sheet is analyzed and, where any deviations appear, the firm is interrogated. Sometimes the deviations are explained away. Sometimes they represent inadvertencies of foremen or accountants and are at once set right. It is an easy thing for a firm employing hundreds of women to overlook one here and there, so that the promotion is not given to some one who deserves and needs it. As a rule such oversights are corrected as soon as pointed out. Another type is of

the employer—none too efficient himself, and none too prosperous in his business —who would save himself by reckless wage-cutting. Others again are newcomers to Ontario and have not learned to appreciate the wholesome standards of living which have made this Province one where it is desirable to live and do business. Thus we have some cases which involve considerable negotiation. In only one, however, have we been compelled to seek the aid of the courts.

This case was of a large establishment in one of the cities of the Province which was found to be underpaying certain of its employees. As the firm failed to respond to the efforts of the Board to settle the matter in a quiet and amicable fashion, it became necessary to have recourse to the law courts, with the result that a conviction was secured and the sum of $3,186.00 arrears of wages was divided among thirty-one women.

In the later months of 1924 charges were publicly made against Willards Chocolates, Limited, a prominent firm in Toronto which employs a large number of girls, alleging that it was deliberately violating the order of the Board in paying wages beneath the minimum levels enjoined, and that it had falsified its records in order to deceive the inspectors of the Board. These charges were made the subject of a public inquiry, which went thoroughly into the case, and resulted in the vindication of the firm.

Payment of Arrears

The Board has collected during the year arrears of wages due a number of female employees. Thirty-three firms have made such payments to 165 workers. The largest payment in any one case was $225.00. The total sum collected was $7,296.75.

Early in the year a certain company which operates several factories came voluntarily to the Board with the information that, through some oversight, the order of the Board had not been enforced in one of its plants. This firm expressed its regret and asked the help of the Board in calculating the arrears due any of its workers. This help was, of course, readily given, and it was found that there had been fifty-one (51) cases of underpayment, involving the sum of $2,211.95. This the firm immediately paid. The Board appreciates the conduct of the firm throughout this episode.

Permits

In accordance with the authority the Board possesses to allow lower wages for handicapped workers, or to permit variations or suspensions of its orders in certain exceptional cases, we present the following tabular statement:

Number of firms concerned in permits	29
Number of permits expired during 1925	19
Number of permits renewed during 1925	4
Number of permits revised during 1925	1
Number of permits now in force:	
(a) For handicapped workers	40
(b) For others	5

This activity of the Board has had very happy results. Not many permits have been granted, so that the standards of wages have not been affected. A number of girls, who ordinarily would have been derelicts in the industrial world,

have been enabled to find steady employment. It has been especially gratifying to note the tendency of firms to reward the faithfulness of such girls in default of their productiveness by raising them above the minimum levels.

Conclusion

As the year closes the Minimum Wage Board of Quebec is busy preparing to issue its first orders. Thus all the Provinces of the Dominion have such Boards as our own at work, except the Maritime Provinces. There Nova Scotia has passed the necessary legislation, while New Brunswick has had a commission studying the question.

We look forward to the day when all Canadian women who work for wages shall be protected in their livelihood. We are already on excellent, if informal, terms with the Boards of other Provinces and find that they like us are ready, as soon as is found practicable, to consider the question of interprovincial cooperation in minimum wage administration.

Order No. 40

Governing female employees in restaurants and refreshment rooms in cities of 30,000 population or over, excepting Toronto.

(1) *Minimum.*—No female employee shall be paid wages at a less rate than twelve dollars ($12.00) per week.

(2) *Hours.*—(*a*) An employee working thirty-six hours or more per week shall be paid at least the full minimum of twelve dollars ($12.00) per week. If she works more than fifty hours a week, she shall be paid in addition at least twenty-four (24) cents per hour for all time over fifty hours. Short time for employees regularly working a full week shall be calculated in proportion to the normal length of the weekly period.

(*b*) An employee regularly working less than thirty-six hours per week shall be paid at a rate of not less than twenty-four (24) cents per hour.

(3) *Apprentices.*—There shall be no reduction of rates for apprentices.

(4) *Allowance for Board and Lodging.*—Lodging shall not be charged for in excess of a rate of one dollar and a half ($1.50) per week, nor board in excess of a rate of four dollars and a half ($4.50) per week, nor single meals in excess of a rate of twenty-five cents per meal.

(5) *Deductions for Absence.*—No deduction below the minimum wage line for absence shall exceed the value of the time lost.

(6) *Waiting.*—An employee required to wait on the premises shall be paid for the time thus spent.

(7) *Posting.*—Each establishment shall keep a copy of this order posted where it can be readily seen by the employees.

(8) *Definition.*—Employees serving light drinks and ice cream from counters are classed as saleswomen and do not come under this order.

(9) *Penalties.*—Any violation of this order is punishable by fine or imprisonment. (See Section 22 of the Act.)

(10) *Complaints.*—Any female employee not being paid at least as much as this order requires should report to the Minimum Wage Board, Spadina Crescent, Toronto. Telephone Trinity 0690.

(11) This order is subject to annual revision by the Board.

(12) This order shall come into force and be effective on September 15, 1925.

J. W. Macmillan, *Chairman.*
Margaret Stephen,
Lydia M. Parsons,
H. G. Fester,
R. A. Stapells,
(*Minimum Wage Board*).

Toronto, July, 1925

PROVINCE OF ONTARIO

REPORT

OF THE

Agricultural Enquiry Committee

ON

Marketing of Agricultural Products

SECOND REPORT

Co-operation and National Marketing

Poultry and Dairy Products, Fruit, Livestock, Meat, Market Garden Produce

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PRESENTED TO THE LEGISLATIVE ASSEMBLY
OF ONTARIO, 1926

ONTARIO

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THE AGRICULTURAL ENQUIRY COMMITTEE

Hon. Dr. D. Jamieson, M.P.P. (Chairman).

Messrs.: T. A. Thompson, M.P.P. (Lanark).

N. W. Trewartha, M.P.P.

W. D. Black, M.P.P.

Wm. Keith, M.P.P.

M. M. MacBride, M.P.P.

A. Belanger, M.P.P.

J. G. Lethbridge, M.P.P.

P. F. Cronin (Secretary).

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SCOPE OF THE INVESTIGATION

(1) The Agricultural Enquiry Committee presented to the Legislative Assembly in 1925 a Report in accordance with an Order of the House. A later instruction was to enquire more particularly into marketing methods and the possibility of bringing about effectual co-operation of the different provinces and of the Dominion in a proposed scheme for marketing surplus Canadian agricultural products through a national export Commission. The purpose was to consider the possibility of improving the marketing methods of our agricultural producers with the view of improving returns from the exportable surplusage of Ontario products.

It was considered advisable to appoint a Sub-Committee for such enquiry. The Chairman, together with Messrs. Black, Keith, Trewartha and MacBride, were appointed to consult with business men having special experience in export of agricultural products, and with heads of the foreign freight departments of transportation companies.

It was decided to call into conference representatives of the Departments of Agriculture of other provinces, and take counsel with them concerning the proposals made by this Committee in 1925 for a Canadian National Export Marketing Commission and of the functions to be performed by such a Commission.

A further branch of the enquiry was into the status of agricultural co-operation in Canada.

AGRICULTURAL MARKETING

(2) To provincial governments the question of policy arises before a decision may be taken on the proposal of a national marketing commission. And so far as the question of policy is concerned, it has been anticipated that provincial governments would desire in the first place to know the attitude of any federal administration. Owing to the political feature of the past year, constructive consultations were not expected between the provinces and the Dominion. The problem of gaining for Canadian agriculture all marketing economies possible and eliminating waste cannot be solved with haste. Given these points due consideration, however, the farm people burdened with railway costs and taxation demand other forward policies than the usual recourse to immigration. Orderly marketing of all perishable products stands first in their opinion as the plan best calculated to serve the interests of the farming community and the country at large.

NATIONAL EXPORT MARKETING COMMISSION

(3) We have come to the conclusion that only an independent and impartial body constituted as a National Export Marketing Commission can establish

upon a satisfactory basis the standards of agricultural products going out of Canada. Under such a Commission a Canadian brand upon food stuffs entitled to carry its recognition abroad into world markets is fundamental. We have found practical unanimity of opinion on the question that Canadian quality shall have the protection of a Canadian brand.

We have heard many protests against trading and marketing practices in abuse of the name Canadian. We have also heard complaints of marketing practices damaging to the good name of Ontario, and detrimental to the reputation of the growers of the Province.

It has been suggested that provinces now in the lead with special products may desire to maintain the identity of such products till they reach the consumer. We are of opinion that a satisfactory national marketing system for the Dominion must retain for such special products the benefit of their origin in a particular province or even district.

IMPERIAL ECONOMIC COMMITTEE

Canadian Foodstuffs

(4) The outlook for marketing in larger volume in England should be considered representatively and without delay in connection with the work of the Imperial Economic Committee. Producers of foodstuffs within the empire, but not including Great Britain, are to receive the benefit of the Imperial Government grant of one million pounds sterling yearly, the utilization of which has been entrusted to the Imperial Economic Committee.

The Imperial Economic Committee announced its earliest sessions to enquire into the marketing and preparing for market of empire-produced meat and fruit. This Committee at a conference attended by representatives of other provinces considered the Report of the Imperial Economic Committee on meat, and sent out questionnaires among the business classes. It was desired to arrive at a correctly informed understanding of the steps necessary to place the Canadian position fully in the knowledge of the Imperial Economic Committee. Preparation of the Canadian case had been left in the hands of officials, one from the Department of Agriculture, Ottawa, and one from the Department of Trade and Commerce, who appear to have consulted the research office of the packers. It was the routine way of approaching so important an occasion in empire trade history. A statement by Hon. George B. Hoadley, Minister of Agriculture, Alberta, put the larger view of the occasion before this Committee. He said: "My experience in the old country last year is that this is not a beef question. It is not a hog question. It is not a butter question. It is a huge empire question. It is our place in that question. And I cannot help realizing the possibilities that are in Canada for marketing our production largely in Great Britain. It is from that large point of view we have to look at the question."

This Committee is unable to accept the view that official representation on the Imperial Economic Committee was enough. It is not, however, suggested that better personal representatives could have been selected. The occasion was one of most exceptional importance for Canadian agriculture, when farmers and business men of Canada were engaged seriously in taking stock of their position.

This Committee, and an Agricultural Enquiry Committee with similar terms of reference for the Province of Nova Scotia, have gone to the farmers themselves for an understanding of their problems. Co-operative leaders in Quebec, Ontario and the Western Provinces might well have had timely information and advice as to the purpose of the Imperial Economic Committee. The same remark applies to all organizations engaged in the distribution of Canadian foodstuffs.

MARKETING PLANS OF COMPETING COUNTRIES

(5) A resolution was passed by the conference called by this Committee of September 22nd. (Appendix No. 1.) Reference thereto appeared in a communication received from the Dominion Minister of Agriculture, December 12th. The suggestion we made in 1925 of a National Export Marketing Commission, according to all information obtainable, is better suited to Canadian conditions than the New Zealand or Australian control plans. The proposal of a Federal Co-operative Marketing Board reported by the Committee on Agriculture of the U.S. House of Representatives, has had our attention also. All these proposals aim at embracing the necessary machinery for making co-operative marketing of larger financial service to farm people.

All these business policies of countries in competition with Canada may be regarded as conclusive proof that agricultural co-operation, with its great attainments, rests on fact as well as sound theory. The lesson of these policies is that our Federal Government should sympathetically examine the co-operative principle and adopt a policy towards the business of production and distribution in Canada, suited to Canadian conditions.

AGENCY BETWEEN PRODUCER AND CONSUMER

(6) It has been admitted in connection with all recent efforts for more efficient marketing systems in this and other countries that conditions obviously demand a middle agency between the farmer and the consumer in order to assemble, standardize, store and merchandize farm products. In every-day practice, the greater the degree of the co-operative principle employed, the more marketing efficiency is secured with capable management.

CO-OPERATION NEEDED IN ONTARIO

(7) The co-operative movement in Ontario lags notably in the home market, into which abuses have intruded that deny the producer benefit to which he is entitled from retail price levels, and have left an impression on the public mind, injurious to the reputation of some lines of our agriculture. This is more particularly dealt with later. We are of the opinion that knowledge and recognition of export brands would incidentally give the spasmodic movement in favour of grades in domestic markets a real start, and serve the producers' interests more substantially than is anticipated.

A PROVINCIAL CO-OPERATIVE COUNCIL

(8) The Province of Manitoba has set up an advisory Council on Co-operative Marketing, the function of which is to correlate the aims and activities of the

various associations with a Registrar of Associations responsible to the Minister of Agriculture. The Ontario Agricultural Enquiry Committee has carefully considered plans for a co-operative council constituted to represent the co-operative associations now in existence.

We recommend a Co-operative Council for Ontario. Without making definite recommendations at the present time, concerning the constitution and the representative nature of such a council, we are of the opinion that the Wisconsin as well as Manitoba co-operative laws, also the functions of the State of Wisconsin Department of Markets, which is in charge of a Markets Commissioner, should first be carefully studied.

SPECIAL PRODUCTS FEATURED

(9) Reference to specific marketing factors in connection with the perishable products mentioned hereunder has been requested by producers.

The bulk of the poultry and products, dairy products and fruit exported from Ontario, passes outward through the port of Montreal. The Province of Quebec is credited with the export.

(10) Poultry Products.—A satisfactorily expanding department of Ontario farm production and marketing is that of poultry products. The grading of eggs, made compulsory for export, has served as a valuable object lesson. Here we observe for dressed poultry, as well as eggs, the commodity being marketed from dealer to wholesaler and on to the retailer. The co-operative principle is working well in egg circles and in the egg pool. When the consumer shall have grasped as much practical knowledge of co-operation in this branch as obtains throughout the farm community, the jargon of law evasion, or "bootlegging" in the distribution of eggs, will cease to have any meaning, the producer will be benefited by a more stable price, and the consumer will get better value the year round.

It falls outside our scope to suggest remedies for the dumping of inferior foreign eggs on the Canadian market. Statistical evidence makes the fact abundantly clear that the home market has been greatly stimulated by the steadily improving quality of domestic poultry products. The same complaint of dumping applies to the sale in Canada of baby chicks. We can only point out again that the responsibility here rests with the Federal Government.

(11) Butter.—In Manitoba we encountered readiness to consider and determine the suggested National Export Marketing Commission. It was contended there, by the authorities consulted, that Ontario butter should be graded uniformly with the product of the western creameries. While the Western Provinces are in a position to place dressed poultry and honey among their exportable commodities, they are especially proud of the uniform quality of their butter. They wish to see it enter the British market with a Canadian brand, but retaining the distinction of its source of origin.

In special cases, Ontario butter makers continue to carry off the highest Canadian honours. Up to the present time, a large volume of Ontario butter could not be presented under a brand that western makers would accept for the Canadian standard.

The points of difference as between East and West are found in the number of small creameries in Ontario and the system of Government cream-grading in Manitoba, Saskatchewan and Alberta. The local market in Ontario absorbs the product of small creameries. The cost of government cream-grading in the Prairie Provinces, which represents approximately one cent to three pounds of butter, is easily absorbed in the per pound price of creamery butter. The system is declared to work quite as well, if anything a little more, to the advantage of the small creamery as compared with the larger class of creamery.

The distances which cream is hauled do not constitute any part of the problem of attaining quality with uniformity.

The Director of Dairying for Ontario informs us that the ground is being thoroughly studied in this Province for the grouping of small creameries and the training and selection of the requisite number of competent graders. In a short time, and as more Ontario butter makers turn attention to expansion in the British market, they may outdistance any other section of the Dominion in contribution of export volume. The purpose of the Ontario Dairy Director is in accord with the demand of many of the largest creameries.

Sir Joseph Flavelle and R. M. Player (Walkerton) gave evidence to the point of increased consumption being the assured corollary of quality production. Sir Joseph Flavelle's emphasis of this most important fact, as well as necessity for unfailing fidelity to quality, had special application to the British market. The small creameries, however, may accept the rule as also applicable to whatever districts they serve.

Protection of the individual can of cream from the producer's hands to the creamery appears to be observed in all dairying sections of the Province, more strictly as the campaign for compulsory grading advances towards complete acceptance. In the West, we were informed, no objection whatever is raised against compulsory grading.

It is our carefully considered opinion that butter-making in Ontario will continue to occupy a subsidiary place until government grading of cream is adopted by legislation.

Importation of Australian butter in volume into the Canadian market under treaty and with the aid of the Commonwealth bounty, which means the addition of so many cents per pound to the price which the imported article would fetch in free competition, may involve a reduction in the retail price level of 4 or 5 cents per pound, and displace a considerable proportion of creamery butter now sold, especially in British Columbia. The Canadian-made butter turned back from the market sought in the West comes upon our eastern market, allowing makers to prepare additional lots of Ontario butter for the British market. As the home market always offers the best price to producers, disturbance of the Canadian butter market by the advantage afforded to distant competitors must affect agricultural co-operators rather unfavourably, while they are still experimenting with co-operation.

NOTE.—Subsequent to the signing of this Report, the Minister of Customs and Excise announced shipments of butter from Australia as acceptable at Canadian ports upon payment of a duty of four cents per pound, representing one cent per pound under the Australian treaty, and three cents under the dumping clause, pending investigation into the tax under the dumping clause and of the bounty paid on butter exported to Canada.

(12) Cheese.—Cheesemaking has taken a firmer place as the banner industry of Ontario milk producers. Cheese production in 1925 was approximately 175,000,000 lbs., compared with 150,000,000 lbs. in 1924. It is interesting to compare this volume, large as it is, with cheese production in Wisconsin, a state with a population somewhat less than that of Ontario. In 1924, Wisconsin produced 224,000,000 lbs. of Cheddar cheese, in 2,400 factories, of which one-third are co-operatively owned.

This expansion of volume was influenced by the activities of Wisconsin Cheese Producers' Federation, which is considered a model agricultural commodity organization. In 1914 the Federation marketed 6,108,000 lbs. of cheese, and in 1924, 28,496,198 lbs. The history of this Federation holds beneficial lessons for Ontario cheese makers.

Expansion in production of Wisconsin cheese has kept pace with improvement in quality. Cheese is sold under the Wisconsin Federation brands. The success of this organization rests upon the common understanding of thousands of individuals. It was brought about in a comparatively short period, inasmuch as Wisconsin co-operative marketing is a matter of ten years' growth.

(13) Apples.—Production and marketing interest has quickened within the year in all apple-growing sections, under the stimulation of publicity and timely assistance extended by the Government of this Province. Selling the best varieties on grade is the essential aim.

Norfolk County offers an outstanding instance of an efficient intermediate agency provided by a Growers' Association functioning on a commission basis. The card of membership in the Association reads:

Member's Name

.....

This is a barrel of

No. 1 Apples

grown and packed by

NORFOLK FRUIT GROWERS' ASSOCIATION

SIMCOE ONTARIO CANADA

The Norfolk pack of apples is unsurpassed for flavour and for keeping qualities, the fruit coming from orchards that are pruned and sprayed according to the most approved methods, and we feel that consumers should know our brand.

We are anxious to maintain our reputation for putting up an honest pack of apples, and believe that by so doing our markets will be further extended.

We cordially request the user of this barrel to write the manager, giving his candid opinion regarding these apples. Kindly refer to the grower's name or number given on this card, and oblige.

Yours very truly,

NORFOLK FRUIT GROWERS' ASSOCIATION,

JAS. E. JOHNSON,
Manager.

Fidelity to the obligations of the Association is practically imposed.

(14) Growers' Reputation Injured.—A marketing system which can offer the foregoing guaranty contrasts with conditions in another county, where a grower reported unsold at the end of January one thousand barrels of hand-picked Spies, the market for which has been spoiled by irresponsible selling practices resorted to in the Toronto vicinity, to which drastic remedy might well apply by the Fruit Branch, Ottawa; the Markets Branch, Department of Agriculture, or the municipal authority. But co-operative selling is the logical and ultimate remedy.

One or two men hire a truck, go into one of the adjacent counties, buy the apples lying on some grower's ground, and later pack in barrels with a few layers of Spies or attractive varieties on top. This stuff is peddled in the city to householders, or retail dealers, as the farmer's own pack. No personal trace whatever is left by name or address.

In a somewhat different class is the dealer who purchases the product of one or a number of orchards, packs with more or less carelessness or deceptive purpose, and sells both in domestic and outside markets. The grower may be, and in most cases is, wholly blameless even of knowledge of the marketing scheme of the man who distributes his apples. In Manitoba, in Western and Northern Ontario, and in Toronto, we found the entire blame erroneously attributed to the grower for the disappointment of the consumer, who knows all about the superiority of the Ontario apple, but does not know when he is buying a dependably-packed barrel of Ontario apples.

The consumer who buys potatoes by the bag takes chances against like practices, which would be eliminated if responsible grading and marketing were adopted by the producers.

Attention has been called to a practice by which the reputation of Canadian quality oats suffers in export markets. Oats sold in Winnipeg, or other markets, is processed in the United States for cereal factory requirements. The best is used in the preparation of factory commodities, and the refuse exported as Canadian oats.

These are cited as instances pointing to organization and co-operation as the final remedies for present rural marketing disadvantages.

CANADIAN AND U.S. APPLES FOR EXPORT

(15) Railway rates on apples for export from Ontario points have been protested. The transportation companies have met this complaint about the distribution problem by submitting to us a statement compiled by International Apple Shippers' Association, showing shipments of apples in barrels and boxes from Canadian and United States ports with distribution to British and foreign ports; also, statements covering apples and pears shipped over the Canadian Pacific Railway and the Canadian National Railways to Canadian Atlantic ports. In these latter statements the source of origin, whether Canada or the United States, is distinguished. Our railway rates attract considerable shipments through our ports of the fruit of comparatively distant United States growers, consigned abroad. These statistical statements are published as Appendix No. 2.

BACON

(16) Appendix No. 3 contains the paragraphs from the Report of the Imperial Economic Committee, dealing with sources of supply of bacon to the British market. They are in agreement with the 1925 Report of this Committee to the House.

(17) Paragraphs 38, 39, 41, 42 and 43 of the Meat Report of the Imperial Economic Committee contain information for Ontario producers.

CANADIAN FRESH-KILLED BEEF

(18) Correspondence with the Dominion Minister of Agriculture on this head has not brought forth points of common agreement upon future policy towards the business. The Committee is not convinced by the arbitrary stand taken by the Minister against the feasibility of trade in beef killed in Canada, shipped to England and retailed in fourteen days on a par with the "home-killed" beef of Scotch and English butchers. The Minister considers discussion closed on the question: "How should Canada export beef cattle?" by the results of an experiment made under supervision of officers of his Department. The experiment in question was faulty from the point of view of commercial experience. Commercial experiments by the Harris Abattoir Company endeavouring to establish their fresh-killed beef in the English market are admitted to have been made at considerable loss. The outstanding features of the Government experiment in 1923 are familiar to all interested in the cattle industry. J. S. McLean gave his views by request to this Committee in a letter and also by request amplified his observations in a verbal statement. Mr. McLean's attitude is in no sense whatever opposed to the furthest possible development of the export of stores or fat cattle to Britain, or any official efforts looking to more favourable conditions for live stock shipments to the United States. There is obvious disadvantage to a country in shipping its raw material. Mr. McLean's courageous efforts to establish on the English market Canadian fresh-killed meat in competition with the "home-killed" is in the interest of cattle feeders of Ontario who have the feed and the barns for putting superior finish on cattle. No country is better equipped than this Province for grain-finishing beef. British butchers, however, wish to buy prime Ontario beef, fresh-killed, at the current prices quoted for "imported" beef. The same beef they retail as "home-killed." In this connection it is instructive to note that the Linlithgow Report to the Imperial Government on agricultural prices, recognized the point of identification as between "home produced" and "imported" meat. The Argentine "chilled meat" comes under the classification of "imported," but is in point of fact in a different category to Canadian fresh-killed beef.

These distinctions constitute the major difficulty to be overcome. Mr. McLean confidently says: "I think it is the ultimate judgment of the consumer which will govern the practice of the English dealer. I think with the right class of cattle our fresh-killed beef can establish for itself a place in the British market very close up to the price of home-killed beef."

The Harris Abattoir Company intends, as we understand, going on with shipments of beef which, if forwarded from their abattoirs in Toronto or Winnipeg, deserve encouragement to the point of overcoming the improper profit-seeking practice of dealers or butchers in England.

The Minister is in error in supposing this Committee had considered the subject without all available documentary information. He also erroneously assumes this Committee undertook a brief for Mr. McLean. Any publicity in connection with this branch of our enquiry had not Mr. McLean's prior knowledge.

BEEF CATTLE

(19) Difficulties in shipping live cattle to Great Britain represented at our meetings during 1924, appear to have been sensibly modified since the appearance of the former Report of this Committee. System has been brought into play, and the outlet has increased.

Larger shipments marked the calendar year 1925, when 110,868 head, with a declared value of $11,796,383, were exported. Exports from January 1st to January 31st, 1926, were 5,372 head, as compared with 3,479 for the same period of 1925, and 3,020 for the same period of 1924. The value of 1926 shipments is not obtainable.

Members of this Committee inspected various lots of cattle as they went on shipboard, and believe the classes now going forward compare favourably with any shipments in the history of the cattle industry.

Development of this trade has promise of potentiality for practically all provinces of the Dominion.

Ontario farmers, whose barns in size and number are not rivalled elsewhere, are particularly interested in feeding and finishing beef cattle.

It is admitted that Canada's Western ranges constitute the natural cattle-producing region. The experience of cattle men has been that the same steer, if fed for the same time on the same feed, will finish with greater gain in Northern Alberta than anywhere down to Mexico.

This natural advantage, along with removal of the British embargo, has prepared the way for increased enterprise in production, feeding and marketing of Western cattle. An important factor is the success which has attended the feeding of thousands of cattle in open feed lots in Northern Alberta. Most of the selling and buying occurs at the stockyards in Edmonton, Calgary and Winnipeg.

The Dominion Government has endeavoured to encourage eastern farmers to buy on the range. The inducement is seldom availed of, and the proposition is not an entirely practical one.

Purchasers from Great Britain have lately been coming direct into Western stock yards. Canadian Live Stock Producers, Ltd., is a company representing Scottish and Canadian cattle interests. This organization has between 5,000 and 6,000 head on its feeding lots in Alberta and Ontario, whence cattle are continuously forwarded to finishing destination in Scotland, via the port of Quebec in summer and St. John, N.B., in winter. The company works in with the Jensen cattle freighter line, which is not a member of the Canadian Shipping Conference. The "Ontario," first of the Jensen steamers, took on cattle at St. John, January 23rd, for the Canadian Livestock Producers, Ltd., and for Swifts.

NOTE.—This vessel sailed from St. John with 1,077 head of cattle on January 24th, 1926, and ran into storms then prevailing on the North Atlantic. She made an average daily run of ten knots for the first six days, but discovered shortage of coal in the bunkers obliged shutting down speed to six knots. She reached Birkenhead in thirteen days; landed one-half her cattle there, the remainder at Glasgow, all in excellent condition. The bad weather involved loss of thirteen cattle, a small number in the circumstances. With suggestion of minor improvements the ship was passed by the British Agricultural Committee and Board of Trade.

CATTLE MARKETING

(20) A co-operative system of marketing Western cattle for the benefit of producers is being operated successfully by the United Grain Growers. Toronto abattoir interests have gone into the finishing of cattle for their manufacturing requirements in empty barns of Western Ontario farms. Despite the Fordney tariff, different States with surplus corn are regularly buying cattle at Western Canadian yards. In Manitoba, feeders are adopting the open feed lot plan that Alberta has so successfully proved out.

The combined effect of these influences has been to raise western cattle prices.

Another effect is discovered upon the industry of cattle feeding in Ontario, which must operate injuriously to the farmers of our western counties. Ontario farmers, who have the barns and the feed, should secure the best class of feeders, if they expect to make money under advanced and complex conditions.

The dominant purpose of systems in cattle feeding and selling in Western Canada is to pick and sort animals that should make most gain on feed furnished in the countries for which the lots are selected. The buyers who come from England and Scotland have this purpose in view. The idea of the Alberta feeding lot enterprise is to make money on the feed, in addition to building up reserve supply. The cattle pool sorts cattle required by United States feeders in Pennsylvania, Ohio or elsewhere. The pool likewise regularly sorts classes for export to Great Britain, as well as to Continental Europe, which is expected to become a heavy buyer.

There are twenty-seven different classes, and when picked and sorted by experts of competing organized interests represented at the yards, Ontario buyers, who have no organization, necessarily get too many culls.

DEMAND FOR AN ONTARIO CATTLE POOL

(21) Here is a real danger to Ontario pre-eminence in stockers and feeders. This Committee is not prepared to recommend any novel experiments. The conditions foreseen could be met and handled satisfactorily by an Ontario cattle pool effectively supervised. In many phases of our investigations, we have been assisted by representatives of the United Farmers of Ontario Co-operative, and we understand that one successful experiment has been made in purchasing cattle at the Winnipeg yards and selling to farmers in Western Ontario at cost.

The United Farmers of Ontario Co-operative does not look for privileges in connection with its activities in the cattle industry. Without assistance from Government the United Farmers of Ontario could prepare itself as well as any new organization to meet the requirements of the Ontario farmers. Ontario feeders cannot too soon realize that profitable finishing of cattle in the future will depend primarily upon organization and co-operation. In this way an Ontario cattle pool may develop. There is place and demand for it.

Packers and butchers for local killing require grain-finished cattle. The Ontario-fed type is still unexcelled.

OCEAN TRANSPORTATION

(22) Publicity and constructive criticism following the investigations conducted by this Committee during the past two years have helped transporation interests and producers to better mutual understanding. Complaints which originated in Western Ontario did not indicate the exact direction from which improvement could be expected. It was believed that a trading monopoly outside Canada had gained control of cattle transport and that steamship companies were tied up to one influential shipper.

It is satisfactory to be in a position to state that in this Committee's opinion no combine exists to-day.

CANADIAN SHIPPING CONFERENCE

(23) At the beginning of December a new Canadian trans-Atlantic shipping conference was announced, of which the Anchor-Donaldson, C.P.R., Cunard, Furness-Withy, Manchester Line, Head Line, Inter-Continental Transport Services, Thompson and White Star-Dominion Lines are members. All of these lines are not cattle carriers. This Committee has been assured by Col. Gear, Major Curry and other shipping executives in Montreal that the North Atlantic Conference does not function so far as Canadian ships are concerned, and that the Canadian Conference does not set cattle rates.

If the Jensen Canadian Line can cut rates the possibility of doing so should soon become apparent. The steamship companies and the cattle shippers equally desire a continuous supply of suitable cattle for British feeding destinations.

Uncertain conditions under which the cattle carrying trade developed after removal of the embargo militated against this aim. The producing, marketing and shipping organizations now coping with the problem are doing much better.

IRELAND AND CANADA IN CATTLE TRADE

(24) It has been pointed out to us that of the 1,000,000 cattle imported alive into Great Britain in 1924, ninety-three per cent. came from Ireland and seven per cent. from Canada, these being the only countries privileged to land cattle alive in England. The British authorities are not less vigilant because the privilege has been extended to Canada. Dr. J. L. Frood, M.R.C.V.S., representative of the British Ministry of Agriculture and Fisheries in Canada, guards observance of the letter and spirit of British regulations. The federal authorities are vigilant.

Development of the live cattle trade from Canada cannot soon challenge the supremacy of Ireland. Plans of organization there have, however, already taken the general form of Canadian organizations. The main feature is co-operation of Irish producers with English buyers. This plan is quite successfully developing, according to recent reports. Irish members of a co-operative union ship Irish cattle to the English markets and sell direct to English buyers. Each lot of cattle is inspected by co-operative officials prior to forwarding to the port of embarkation. Special boats take the cattle to England and special trains are used in transporting the animals from the port of entry. Sales are supervised by officials of the Country Gentlemen's Association of England, who make collection and remit the net return to the consignors.

It has been represented to this Committee that Canadian feeder cattle have a natural advantage over the Irish bullocks. The Scotch feeders, who are in the business on a large scale, are reported to be satisfied that the Canadian bullock will make greater gain in the same time on the same feed than the Irish bullock, and Scotch feeders prefer them, all things being equal in respect to continuity of supply. The outlook for this trade is now bright.

BETTER CLASS OF CATTLESHIPS

(25) The established shipping companies in business from Canadian ports for fifty years have space under their control to meet any development of the future. They endeavour to serve all shippers. In the absence of co-operative organization, with one powerful shipper competing against a number of weaker individuals, it has happened that when space was in demand all shippers were calling for space options at the same time. Conversely when markets were disturbed all shippers were clamouring to cut down their space orders. This is an illustration of the need for better methods of steadying the market by continuous supply of the right sorts of cattle.

The steamship managers assure us they are in a position to take care of any possible development of the trade henceforth.

An Ontario cattle pool would bring a second line of continuous supply into service. The new Jensen line of exclusive cattle freighters, relying upon reserves of cattle at feeding stations, claims it can divert its ships at sea to special markets. This plan would serve best where all the space has been contracted to one shipper.

GENERAL CARGO AND OCEAN PORTS

(26) General cargo steamers best serve the purposes of smaller shippers. We saw the Anchor-Donaldson S.S. "Carmia" loaded at St. John. A converted passenger ship, on two decks she had excellent accommodation for more cattle than she was carrying, on her trip of January 22nd, viz., 977 head, weighing 600 tons. The ship reported at Glasgow in eleven days with loss of three cattle in exceptionally bad weather in which liners were overdue and much damage caused to shipping.

DEMAND FOR PORT FACILITIES

(27) Development of Canadian ports is concerned when the business of general cargo ships is in question. The greater the number of these vessels loading at Canadian ports, the more Canadian wheat for export will flow through all-Canadian channels. Wheat is generally carried as ballast on these bottoms. Much of the Canadian wheat for export diverted to U.S. ports is accorded low ocean rates, because the ships want it, and can make up for their east-bound rates on the return cargo. The carrying of cattle on general cargo ships is to be encouraged, consonant with reasonable rates. Harbour facilities at the port of St. John should be kept abreast of the shipping business of that port.

PORTS OF MONTREAL AND QUEBEC

(28) An added cost of $2 per car, incidental to the unloading and loading again of cattle in the Montreal yards before going on shipboard, is not to be obviated by Ontario shippers who may divert their summer shipments to the port of Quebec. Members of this Committee have visited the Montreal yards where cattle are rested and fed according to regulation. Details of all costs have been examined. The Committee can see no substantial reason why Ontario shipments may be more advantageously routed than through Montreal. This opinion applies to the practice of continuing scattered shipments as at present or to the organized business of a pool such as we have suggested in paragraph 21.

CARE OF CATTLE ON SHIPS

(29) Government regulations under which cattle are loaded, stalled, bedded and provided for in respect to feed, water, ventilation and space, are satisfactorily strict. The cattle are accompanied by a veterinary paid by the Dominion Government, are under Government observation when they go aboard, and when they land. Cattle shippers nominally engage the cattle attendants for the voyage. In point of fact, these attendants are taken on by an employment agency acting for the shippers. In most cases they are men looking for a free passage or willing to pay a small premium, such as students in summer, and old country men desirous of returning to the United Kingdom in winter. Such attendants cannot be expected to have experience in the care of cattle. One foreman is paid and is expected to keep the help on the job. The attendants are, of course, amenable to the discipline of the ship. In one respect regulations are faulty. There should be one paid foreman for every hundred cattle taken on board. This is the regulation on ships leaving U.S. ports.

ORCHARD AND GARDEN PRODUCE

(30) Closely related to the difficulties complained of in the marketing of fruit are the well-understood handicaps of Ontario orchard and garden produce growers. Touching this issue involves contact with the demand of these growers who have made substantial investments in their business, for protection against the necessarily unknown quantities of foreign produce dumped on local markets about the time Ontario produce is beginning to come in. This in addition to the continuous supplies of southern fruits and vegetables at high prices through the months of non-production here. Complaint of consumers that Ontario apples and garden produce are not featured in home markets is met by the growers' statement that lack of protection forces them into the uncertainties of export trade.

A line of co-operative action has been suggested to these growers through a brokerage organization or bureau for routing and marketing carlot shipments. No definite action has followed the suggestion, and the dominant demand for tariff protection continues to be made with greater insistance. In its former report this Committee noted that its scope is not in the area of practical service. As a preliminary to embarking on a Growers' Brokerage Bureau, a survey would be advisable of the consuming and producing centres for which the plan is intended. The Federal and Provincial Departments of Agriculture have branches that together can give direction and assistance in making such a survey.

VALUE OF AGRICULTURAL EXPORTS CONSIDERED

(31) Table of comparative figures for 12 months ended December, years 1924 and 1925, showing the principal Canadian agricultural exports to the United Kingdom referred to in this Report:

Commodities	12 months ended December 1924	1925
Cattle, number	79,435	110,868
Cattle, value	$8,402,377	$11,796,383
Butter, pounds	15,236,116	18,682,836
Butter, value	$5,405,608	$6,936,428
Cheese, hundredweights	1,158,005	1,405,799
Cheese, value	$21,198,294	$31,810,061
Eggs, dozen	2,363,170	2,143,090
Eggs, value	$870,339	$885,545
Apples, fresh, barrels	1,392,970	1,237,125
Apples, fresh, value	$6,230,214	$5,481,343
Oats, bushels	23,435,292	20,633,262
Oats, value	$10,852,969	$10,505,801
Bacon and hams, hundredweights	1,119,688	1,305,037
Bacon and hams, value	$19,688,455	$28,466,844
Beef, fresh, hundredweights	63,656	104,224
Beef, fresh, value	$436,429	$802,251

PROTECTION OF SHEEP FROM DOGS

(32) The Director of the Livestock Branch has given this Committee the substance of a clause proposed to be added to the Dog Tax and Sheep Protection Act. It is intended by the addition that the Minister of Agriculture may bring districts where the Act does not apply under its provisions, the Department assuming the duties and obligations of a Municipal Council in respect to unorganized townships brought in, in so far as statutory liability may exist.

The consensus of opinion gathered by this Committee favours imposition of a heavy fine upon the owners of any dog found off the owner's premises between sunset and sunrise, night being the period when practically all damage of this sort is done to sheep. The proposed addition to the Dog Tax and Sheep Protection Act would permit the Department to work out equitable details in the unorganized townships.

RECOMMENDATIONS AND CONCLUSIONS

(33) If the recommendations and conclusions of this Report seem to call for more definite attitude at all points than has been taken by this Committee, it must appear obvious at the same time that the conditions reported upon are developing and even changing in a very remarkable way. This is true of the features of the Canadian cattle industry dealt with, as well as of dairying, poultry raising and fruit growing. In an especial manner it is true of market influences felt by each and all of these branches of Canadian agriculture, that are due mainly to world co-operative movements. So we have come to a point in this country where a more satisfactory position for ourselves in world marketing must be found.

It need not be reiterated that in Ontario as elsewhere, organization, co-operation and standardization cannot progress more rapidly or satisfactorily than producers concerned shall determine to bring about. Whether Canadian pro-

ducers realize it or not, or fail to realize it as fully as perhaps they should, the fact remains that the agricultural marketing systems either established or proposed by countries in competition with Canada, make the lesson plain to all who study these systems that the next move is up to Canada.

It is part of this very lesson that

(34) ONTARIO REQUIRES A PROVINCIAL CO-OPERATIVE COUNCIL

which, among other functions, shall assist co-operative organizations in bringing into existence necessary intermediate agencies between farmer and consumer in order that perishable products may be better assembled, standardized, stored and merchandized. A Provincial Council appears to us essential in the very structure of co-operation, helpful from the point of view of a national marketing commission, and capable of good service in regard to world marketing as well as in the domestic field of distribution.

A CANADIAN BRAND FOR CANADIAN QUALITY PRODUCTS

(35) The demand of dairymen for a Canadian brand upon cheese and butter is no new idea. And if cheese and butter, why not bacon and prime beef?

(36) Compulsory grading of cream in Ontario will mark a long stride towards volume of uniform quality butter. The dairy industry at this time can do nothing more practical. There is no way by which the dairy situation in Ontario can be better served than by

GOVERNMENT GRADING OF CREAM

which has behind it a representative demand both of dairymen and distributors all over the Province. This demand we believe will very soon have unanimous support based on experience of its benefit.

(37) There may be some question of the propriety of placing among matters of report the complaints covering butter, eggs, fruit, vegetables and other commodities for which protection is held to be the producers' economic right at the hands of the Federal Government. The remedy may come from publicity of all the facts at issue.

The conclusion we have come to that

(38) AN ONTARIO CATTLE POOL

would fit into the rapidly expanding systems of feeding and selling Canadian cattle is addressed to the farmers of Ontario themselves. If they decide to go on into a cattle pool, they will be generally encouraged by the records of live-stock buying and selling organizations in other places. They should not have more difficulty than Irish co-operatives in the live cattle industry had in establishing the complementary part of the organization in Great Britain.

More cattle are needed in Ontario. In the Niagara Peninsula, many fruit growers are allowing the natural fertility of their land to decline for lack of cattle in their barns.

(39) The reports issued by the Imperial Economic Committee are of value to Canada and will help farming interests of the Dominion to improve their position on the British market. With the co-operation of the Federal Government and through the agency of

A NATIONAL EXPORT MARKETING COMMISSION

the purpose of the Committee, which is to increase empire trade, must develop along practical lines of policy and action in Canada.

Respectfully submitted,

D. Jamieson, Chairman.
W. D. Black.
M. M. MacBride.
J. G. Lethbridge.
Wm. Keith.
N. W. Trewartha.
T. A. Thompson.
H. Belanger.

APPENDIX NO. 1

Moved by Hon. George B. Hoadley (Minister of Agriculture of Alberta),

Seconded by Mr. Elie Bourbeau (Chief Dairy Branch, Department of Agriculture of the Province of Quebec),

WHEREAS the Imperial Government granted a sum of one million pounds sterling annually, to foster the marketing in Great Britain, of food-stuffs produced in the Dominions;

AND WHEREAS the utilization of said grant was entrusted to and is under consideration by the Imperial Economic Committee.

THEREFORE, BE IT RESOLVED that the Federal Department of Agriculture be requested by this conference to invite to Canada at the earliest possible date executive members of the Imperial Economic Committee so that producers, co-operative organizations and departments of agriculture in all the provinces of this Dominion may be afforded, in consultation, adequate information concerning the trade advantages and facilities presented to Canada, or that may be developed under the recommendations made by the Imperial Economic Committee.

That arrangements incidental to such invitation be left with the Federal Department of Agriculture.

APPENDIX NO. 2

Summary of apples and pears carried by Canadian Pacific Railway during the year 1924, to the ports of Montreal, Quebec and West Saint John.

Ports of	Apples		Pears		Point of Origin
	Barrels	Boxes	Barrels	Boxes	
Montreal	19,798	276,694	79	54	Canadian
Montreal	1,514	15,183	3,973	6,288	American
Total	21,312	291,877	4,052	6,342	
Quebec	1,556	28,410	....	....	Canadian
Quebec	....	10,283	....	....	American
Total	1,556	38,693	....	....	
West St. John	13,540	46,347	....	....	Canadian
West St. John	.....	20,207	....	....	American
Total	13,540	66,354	....	....	

Total, Canadian—34,894 barrels, 351,451 boxes apples.

Total, American—1,514 barrels, 45,673 boxes apples.

Montreal, September 26th, 1925.

Summary of apples and pears carried by Canadian National Railways during the season—August, 1924, to May, 1925, inclusive, to the ports of Montreal, Quebec, Saint John and Portland, Me., for export to the United Kingdom.

Ports of	Apples		Pears		Country of Origin
	Barrels	Boxes	Barrels	Boxes	
Montreal	21,435	4,344	666	600	Canadian
Montreal	24,202	17,784	427	2,673	American
Total	45,637	22,128	1,093	3,273	
Quebec	161	....	445	....	Canadian
Quebec	....	6,312	....	....	American
Total	161	6,312	445	....	
Saint John	610	1,399	....	....	Canadian
Saint John	....	1,470	....	....	American
Total	610	2,869	....	....	
Portland	13,264	....	....	....	Canadian
Portland	68,314	1,512	....	....	American
Total	81,578	1,512	....	....	

Total Canadian—35,470 barrels, 5,743 boxes apples.
Total American—92,516 barrels, 27,078 boxes apples.

127,986 32,821 boxes apples.
Total Canadian—1,111 barrels, 600 boxes pears.
Total American— 427 barrels, 2,673 boxes pears.

1,538 barrels, 3,273 boxes pears.

Montreal, October 7th, 1925.

Destination, Port of	Barrels	Boxes
Liverpool	952,421	1,060,459
London	536,073	1,234,195
Glasgow	334,563	791,310
Manchester	267,067	147,624
Southampton	104,399	347,236
Other British ports	224,490	129,039
Scandinavia	94,578	290,759
Miscellaneous	98,072	646,918
Total	2,611,663	4,647,520

APPENDIX NO. 3

Meat Report of Imperial Economic Committee

V. PIG PRODUCTS

Pork, Bacon and Hams

Empire and Foreign Supplies.

30. Bacon is one of the staple articles in the diet of the British people, and a review of the sources of importation of this and other pig meats will make very evident the dependence of the United Kingdom upon foreign supplies. In 1924 the United Kingdom imported 9,502,000 cwts. of bacon and hams, as compared with an import of 5,713,000 cwts. in 1913, but the statistics are not comparable, since the latter figure does not include imports from the Irish Free State. These amounted in 1924 to 595,000 cwts.

Table V shows how large a part bacon plays in the national meat bill and the extent to which it is obtained from non-Empire sources. Out of £105,447,000 spent in 1924 on imported meats of all classes, no less than £50,848,000, or forty-eight per cent. went to purchase pig products, and of this sum, £40,120,000 went to foreign countries. The bulk of the expenditure was for bacon and hams, although there was an appreciable import of fresh pork, amounting in 1924, to 279,000 cwts. from the Irish Free State, and 534,000 cwts. from the continent.

Market Requirements.

32. In the bacon market of the United Kingdom a very high standard of quality is generally asked for. The demand is principally for bacon in the form of whole Wiltshire sides. These must satisfy certain requirements as to weight, conformation and thickness of fat, and must, in addition, be mildly cured. Although there is a market for a wide range in weights and qualities, nevertheless the great bulk of the demand is for sides weighing from fifty-five to seventy pounds, a sixty-pound side, which is the product of a pig of 200 pounds live weight, being most in favour. Further, the majority of the consuming public prefer bacon that is not too fat; so that sides carrying 1½ inches to 1¾ inches of fat evenly distributed along the back are most in demand. This requirement forms the basis upon which Wiltshire sides are graded, and although the grades may differ in name according to the country from which the product originates, nevertheless they are all established on the same basis, and are well understood by the trade. Furthermore, as the retailer of bacon in the United Kingdom buys the whole side, which he then cuts up and distributes to his customers, he is very desirous of securing Wiltshires with a long middle and a thick streak, thus obtaining the maximum weight in the most valuable part of the carcass. To ensure the fulfilment of these requirements as to weight, finish and shape or conformation, a pig of certain definite proportions and finish, known as a "bacon pig," is needed.

Danish Supplies.

33. In reviewing the sources of supply, we have been impressed with the steadily increasing quantities obtained from Denmark. In 1914 the United Kingdom imported 2,715,000 cwts. from this source, which, up to that time had been the largest Danish contribution known. After 1914 supplies steadily declined until in 1918-19, practically nothing reached the United Kingdom from Denmark, as during the war period Danish supplies were diverted to other markets. Shipments were resumed in 1920, when the United Kingdom received 704,000 cwts. of bacon from Denmark. Danish supplies have increased annually since then, until in 1924 they reached 3,978,000 cwts., which was nearly fifty per cent. more than the previous record of 1914. The by-products of the Danish dairy industry with other home-grown feeding-stuffs, supplemented by imports of small grains, furnish a satisfactory ration for bacon pig production. Furthermore, through the highly developed Danish system of agricultural and co-operative organization, a uniformly high standard of product is maintained. Proximity to market is also a decided advantage, as the bacon can be mildly cured and distributed regularly to consumers in the United Kingdom in a fresh condition. It should also be noted that since Denmark is a very small country, bacon production is there a specialized industry concentrated in a comparatively limited area, and that in consequence, the details of production, manufacture and selling can be, and are well organized.

United States Supplies.

34. The United States is now the second largest source of supply to the United Kingdom market, although prior to 1924 imports from this quarter exceeded those from any other. During the war years, when Danish supplies practically disappeared from the United Kingdom, the United States furnished large quantities, reaching the peak in 1918 with shipments totalling 10,064,000 cwts. Imports have since declined, and in 1924 amounted to only 3,310,000 cwts., a figure which, none the less, is still in excess of the average pre-war shipments from the United States. The class of product received from this source differs somewhat from that received from Denmark, in that, while the latter country is chiefly concerned in the trade in whole Wiltshire sides, the cheaper class of product, such as Cumberland cut, picnic hams, hams and cut meats, is obtained from the United States. The supplies sent across the Atlantic constitute only a very small percentage of the total United States production, and from the American point of view, their chief importance lies in the fact that by the variation of their amount they can be used to steady prices in the large home market.

Canadian Supplies.

38. Canada's chief contribution to the meat supply of the United Kingdom is of bacon and hams, but the volume of trade is still below that of Denmark, although it has lately increased, both absolutely and relatively. This is made evident by a comparison of the percentage changes as shown in table VII. In extension of that table it may be stated that in the first six months of 1925 the total British imports of bacon and hams were 3.5 per cent. less than in the first six months of 1924, but the imports from the Irish Free State decreased by twenty-six per cent. while those from Canada were twenty-six per cent. higher. The imports from the United States decreased by sixteen per cent. and those from Denmark by two per cent.

Comparative Landed Values.

39. We may also usefully compare the landed values of the goods obtained from Canada with those of the goods from other sources of supply. The following table gives the figures for bacon, but not for hams, during recent years.

Comparison of Landed Values of Bacon from Chief Sources of Supply

Bacon from	1909–13 Average	1922	1923	1924	1925 (half-year)
	Per cwt.	Per cwt.	Per cwt.	Per cwt.	Per cwt.
Irish Free State	....	....	£5.39*	£5.30	£6.09
Denmark	£3.42	£7.05	5.56	5.10	5.61
Canada	3.11	5.86	4.61	4.65	4.94
United States	3.01	4.95	4.07	3.91	4.62

*Based on imports from April to December.

It must be borne in mind, however, that these figures, which have been calculated from the customs returns of the United Kingdom, are based upon values given by importers and must not be taken as necessarily indicating market prices. The values returned by the importers may be based on long-standing contracts, or out-of-date market conditions. They suffice, however, to indicate that, in general, as shown in paragraph 36, Irish bacon commands a higher price than other imported bacons. The figure for the year 1923 is an exception, and is accounted for by the strike during the summer months, which kept supplies off the market during the period of high prices, and thus affected the annual average. As regards Canadian bacon, the figures indicate that the difference in the prices of Canadian and American bacon is now much greater than was the case before the war. As between Canadian and Danish bacon, it is to be noted that in 1909-13, the Canadian product was lower in price than the Danish by 9.1 per cent. and in 1924 by 9.9 per cent. This, however, does not fully bring out the trend of competition and development as between these two sources of supply, for a more detailed study of average values reveals the fact that in 1921 Danish bacon realized 35s. 8d. per cwt. more than Canadian; in 1922, 23s. 8d. more; in 1923, 19s. 0d. per cwt. more, and in 1924 only 9s. 11d. per cwt. more. In the first half of 1925 there was a slight change in tendency, but not enough as yet seriously to modify the general trend.

Recent Canadian Improvement.

41. The recent improvement in the situation is due to an organized effort on the part of the producers, the packers, and the Government in Canada. This has resulted in the improvement of the pigs themselves, a greater uniformity of the product, a milder cure, and a quicker distribution so that the bacon reaches the consumer in the United Kingdom in a fresher condition. The Canadian product is shipped for the most part in the form of whole Wiltshire sides, and now competes more directly with the product from Denmark than with that from the United States. By virtue of her proximity, Denmark can market bacon in the United Kingdom within two weeks of slaughtering, while from Eastern Canada, it takes four weeks and from Western Canada five or six weeks to reach the market. In view of the very decided preference of the British consumer for a fresh mild-cured bacon, this is a heavy handicap, as the Canadian product must necessarily be cured so as to carry for a longer time. It would appear, therefore, that only a more rapid transit, or a more satisfactory method of long-period cure would put Canada on a par with Denmark. Research should be directed to the latter end.

Transport of Canadian Supplies.

42. The question of transport divides itself into the two questions of more rapid transport and a more regular shipping service. What is required is that vessels from Canada should bring bacon to the most suitable ports on the same day each week. This would go far to place Canadian and Danish supplies on a more equal footing in the United Kingdom market. We are not in a position to judge as to the practicability of such an improved shipping service, but we would venture to suggest, as a first step, that the shippers of bacon in Canada should get together and ascertain precisely what is desirable. This could then be presented to the shipping conference. Failing a satisfactory negotiation, the matter could then be carried to the Imperial Shipping Committee with a view to enlisting the influence of that body.

Methods of Curing—Research.

43. There remains the other method of overcoming the present handicap of time and distance under which not only the Canadian, but also other Dominion producers suffer. This is the discovery of some new or improved way of curing which will enhance the keeping qualities of the bacon and still maintain the mildness of flavour so much desired by the British consumer. This would open up possibilities for the bacon trade in the distant parts of the Empire, such as Australia and New Zealand. Scientific research, possibly on a large scale, will be necessary, and although private firms are continually endeavouring to effect improvements in cure, their efforts are inevitably limited. With a problem of this nature, a solution of which would be of the utmost value to Empire trade, we think that provision for research should be made outside the industry itself.

Toronto, March 15th, 1926.

Honourable David Jamieson, M.D.,
Chairman, Agriculture Enquiry Committee,
Toronto, Ont.

Dear Sir:—

After a careful perusal of the report embodying the findings and conclusions of the majority of the Agriculture Enquiry Committee, of which I am a member, I feel constrained to lodge certain protests and make the reserves hereinafter set forth.

With the expression of such protests and subject to such reserves, I fully endorse the statements and recommendations elaborated in the report.

1. Scope of the Committee.

The Agriculture Enquiry Committee was appointed by the Legislative Assembly of Ontario to investigate conditions and suggest measures, its findings and suggestions to form the basis of legislative and executive endeavours to better agricultural conditions in this Province. It is essentially a provincial committee, standing *in loco* of the Legislature, and its scope and limitations restricted within the legislative powers of the Assembly to which its report is to be submitted and within the administrative powers of the Ontario Government. Findings and suggestions, however accurate and however opportune, that cannot be acted upon by the Legislature of the Provincial Government as being *hors* their constitutional jurisdiction, are outside the Committee's competence. Findings and conclusions embodied in the Committee's report followed by the Assembly's adoption of the report are tantamount to resolutions of the Assembly. Wherefore do I submit that anything which is not a proper subject of a resolution in the Assembly should be eliminated from the Committee's report.

The above principle was recognized by the Committee at the very outset of its investigation in 1924 and it was decided at a meeting of its members and confirmed at a public meeting at St. Catharines—if I rightly recollect—that every member of the Committee would refrain from pressing upon those appearing before it any questions opening up issues of purely federal concern, such as the tariff and kindred questions. It was however decided to allow the witnesses before the Committee complete freedom so as not to embarrass them in the statement of their grievances. Any proper suggestions which were of the exclusive resort of the Dominion Government, the Railway Board or other public bodies, the Committee would pass on to them. The only possible inference is that what applied to the Committee's discussions applied in greater measure to its reports. So it was that, last Session, on my appealing to that ruling, some paragraphs were eliminated from the Committee's first report as originally drafted and others toned down to where further insistence on my part would have appeared captious.

Furthermore, when a report is submitted to the Legislative Assembly, a debate may be opened and pursued on any paragraph and statement therein contained. Any reference therefore to purely federal issues, such as tariff matters, would inevitably result in transferring to the Provincial Legislature the protracted debates of the House of Commons.

In fine, I submit that the touchstone by which must be judged what should and should not be included in the Committee's report is whether the particular question at issue is or is not wholly or partially within the jurisdiction of the Legislative Assembly and the Government of the Province of Ontario; whether it is competent in the Legislature and the Provincial Executive to apply a remedy to the grievance complained of or give effect to the suggestion made, also whether such contents would form the proper subject of a debate in the Assembly.

2. Orchard and Garden Produce.

Under the above caption, the Committee's report urges protection upon fruits and vegetables. Last year, I grudgingly allowed a short statement on the issue to be inserted in the Committee's first report. The matter should have rested there, as no further investigation was made along those lines since last session. The insistence of a majority of the Committee to expound on the subject this year is indefensible. The report speaks to the Legislature and to the Government of Ontario and the Legislature and Government are powerless. So, what better purpose can be served by giving the question the publicity of the report than would have been secured by passing on to Ottawa the evidence submitted, as was first agreed upon. I should be sorry indeed if by such indiscreet action, the Committee's otherwise splendid and fruitful work should suffer from an imputation of partisan bias and political tactics.

The merit or demerit of the question is not in point, although it is argued in certain quarters that the consumer not in the well-to-do class should receive some degree of consideration.

3. Eggs and Baby-chicks.

The same remarks apply to the importation of eggs and baby-chicks and the Committee strikes the proper note in pointing out, without more ado, that the question falls outside its scope and that the responsibility rests with the Federal Government. To suggest further improvement of the quality of the home product and show how and where the Legislature and the Ontario Department of Agriculture can stimulate such improvement is well within the Committee's express functions.

It may be pointed out, however, that under the Customs regulations, no free entry is to be accepted for baby-chicks unless they are pure bred; imported for the improvement of stock and carry chick bands showing their quality under the standard laid down by the American Poultry Association. (*Vide* Amended Regulations governing the Free Entry of Pure Bred Domestic Fowls for Improvement of Stock, April 4th, 1925, No. 51).

4 Dumping.

The report in those statements which I submit are objectionable as being *ultra* the scope of the Committee, frequently uses the term "dumping" indiscriminately to denote large quantities of imports. The word, however, has received both under our own and under other countries' customs laws, a definite technical meaning and its indiscriminate use in the ordinary meaning of vast importations is apt to be misleading.

The Customs Acts, as they now stand, provide against any "dumping" of foreign products.

5. Canadian Fresh-Killed Beef.

I cannot agree with all the statements of the report concerning the export to the English market of Canadian fresh-killed beef.

To qualify as "arbitrary" the "stand taken by the Minister against the feasibility of trade in beef killed in Canada, shipped to England and retailed in fourteen days on a par with the home killed beef," besides being little euphemistic, is not justified by the facts. The stand taken by the Dominion Department of Agriculture embodies the results of well-conducted—and not "commercially faulty"—experiments as well as of "commercial experiments by the Harris Abattoir admitted to have been made at considerable loss" and of close export investigations into market conditions in England. It is also prompted by a desire to secure for the Canadian farmer the highest possible price for his product and inducing him thereby to greater effort to ensure the expansion of the beef cattle industry.

I agree however with the Committee's commendations of Mr. McLean's courageous efforts, although past experience does not point to a dressed beef export trade bringing profitable results until our exportable surplus shall have increased to sufficient proportions.

6. Imperial Economic Committee.

The Committee's report contains strictures on the Dominion Department of Agriculture supposedly for not having given timely information and advice as to the purpose of the Imperial and Economic Committee on marketing and Preparing for Market of Foodstuffs prepared in the Overseas parts of the Empire, and especially of meat. After minute enquiry, I must register complete disagreement with this statement. Nothing reasonable was left undone to secure adequate expert representation on the Committee or to lay the Canadian viewpoint thoroughly before the Committee. I may say that Mr. McOuat, Canada's representative, was in himself worth a host of representatives and secured in the Committee's report all that Canada sought and more than the Imperial Government was ready to accept, since, in August last, on instructions from the Baldwin Government, there was added to the report a rider to the effect that it was not the intention of the Imperial Government to act upon certain recommendations of the report inserted at the request of the Canadian representative.

At any rate, the criticism is not a constructive one, nor suggestive of any action that may be taken by the Ontario Legislature or the Ontario Government.

7. The Australian Treaty.

The statement contained in the report concerning the probable effect of the Australian Treaty on the dairy industry in this country is, to say the least, premature. It is mere prospective conjecture based on no data of any kind and most inopportune coming at a time when the question is being made the subject of protracted debate on the floor of the House of Commons. It is not a finding of facts, nor a recommendation for legislative or executive action and entirely without the purview of the Committee's reference. At the time of writing, no appreciable effect of the treaty can be pointed to upon the butter and cheese industry in Canada, although some weeks have passed since the report was adopted by the majority of the Committee.

As to the so-called Australian bounty on the export of butter mentioned in the report, the Committee's statement is not based on existing facts other than a tentative proposal made in the Antipodes, called the Petersen scheme, which neither was initiated by the Government of Australia nor has had its sanction.

However, my objection to discussing in the report the Australian Treaty and its probable effect is not, I repeat, on the merits, but because it is not competent in the Legislature or the Provincial Government to rescind the treaty or change therein a single iota. The subject fills nearly 150 pages of Hansard to date; if the debate is now carried to the floor of the Legislature, who will see the end? The statement that the intention is to give publicity to the matter is—to say the least—a meagre pretext. It first predicates that the Committee's premature judgment is right, that the Treaty is a bad piece of statesmanship and that the members of the House of Commons in every riding are unqualified to take care of what is of their own particular resort.

With those reserves, Mr. Chairman, I heartily endorse the findings, conclusions and recommendations of the Committee and am deeply convinced that the work of the Committee under your able direction will be fruitful of good results to better conditions in different branches of husbandry in this Province.

I trust this letter will be attached to the report as a justification of my position.

Yours sincerely,

A. Belanger.

PROVINCE OF ONTARIO

Report of Operations

under

I. The Northern and North Western Ontario Development Act, 1912, and Amendments,

and

II. The Colonization Roads Act

For the Year Ending 31st October,

1925

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

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1926

To His Honour Henry Cockshutt, Esq.,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

The undersigned has the honour to present Report on operations under The Northern and Northwestern Ontario Development Act, 1912, and Amendments, for the fiscal year ending 31st October, 1925, and report on the operations of the Colonization Roads Branch, covering the same period.

James Lyons,
Minister.

Toronto, February 27th, 1926.

Honourable James Lyons,
Minister of Lands and Forests.

I have the honour to present herewith report on the operations of the Department of Northern Development for the fiscal year ending 31st October, 1925, and report on the operations of the Colonization Roads Branch, covering the same period.

C. H. Fullerton,
Deputy Minister.

Toronto, December 31st, 1925.

CHIEF ENGINEER'S REPORT

On the Construction and Maintenance of Roads and Bridges, together with the operation of Farms, Sawmills, Fire Relief, Seed Grain, Cattle Purchase, and other activities carried on under the provisions of the Northern and Northwestern Ontario Development Act, 1912, and Amendments, during the year ending 31st October, 1925.

Statements are hereto appended showing the expenditures made in the different sections, together with a summary of the work done in each electoral district.

Section 1 (B). Roads and Bridges

In the electoral districts of Nipissing, Sturgeon Falls, Sudbury, Algoma, Manitoulin, Sault Ste. Marie, Temiskaming, Cochrane, Fort William, Port Arthur, Kenora, and Rainy River, all road and bridge work is carried on under the Northern Development Act with the exception of the work done under municipal by-law, in accordance with the Colonization Roads Act, the supervision of which is part of the duties of the Northern Development officials.

Typical Northern Ontario mining scene.

In Muskoka and Parry Sound, only trunk roads and branch trunk roads are included in the Northern Development activities, while in North Renfrew the only road included is the Mattawa-Pembroke trunk road.

The total expenditure in this section was $3,359,377.16.

Organization.

The territory is divided into nine sections with a district engineer in charge of each, as follows:

I. Muskoka and Parry Sound with headquarters at.....Huntsville.
II. Nipissing, Sturgeon Falls and North Renfrew at.....North Bay.
III. Sudbury and Manitoulin at.....Sudbury.

IV. Algoma and Sault Ste. Marie at.....Sault Ste. Marie.
V. Temiskaming at.....New Liskeard.
VI. Cochrane at.....Cochrane.
VII. Fort William and Port Arthur at.....Fort William.
VIII. Kenora at.....Kenora.
IX. Rainy River at.....Emo.

North Bay-Cobalt Road—First stage of construction.

Muskoka-Parry Sound District.

The work in this district was carried on over about 381 miles of roads, the expenditure being mainly on maintenance work and the improving of existing roads.

On the Severn-North Bay Road, 16½ miles were gravelled in Muskoka and 14 miles in Parry Sound. Considerable work was done on the road from Huntsville through Dwight to Dorset and the road from Bracebridge through Baysville to Dorset, and this road with a little more improvement will provide a loop road through the Lake of Bays territory which has long been looked forward to.

The improvement and surfacing of the Rosseau-Parry Sound road was continued, 6½ miles being gravelled in addition to considerable ditching and deviation work.

Seven and one-half miles were gravelled on the Burk's Falls-Magnetawan-Parry Sound Road; 5 miles on the Emsdale-Sprucedale Road and 3 miles on the Powassan-Restoule Road.

One 40-foot steel and concrete, three 10-foot and three 8-foot reinforced concrete bridges were constructed.

Nipissing-Sturgeon-Renfrew District.

Two hundred and seventy miles of trunk roads were kept up by maintenance patrol, six miles being reconstructed to standard width of 24 feet, and 25.7 miles being gravelled.

Echo Bay Bridge—Algoma District.

The North Bay-Cobalt Road was the most important construction work, 44.5 miles being cleared by day labour, and contracts for stumping, grubbing, grading, and gravelling of 20 miles awarded in July. The work on these contracts was commenced in August, and such good progress was made that this 20 miles should be open for traffic early in 1926.

A sum of over $20,000 was spent improving local roads for settlers; this work consisted of cutting new roads, construction of culverts, grading and gravelling.

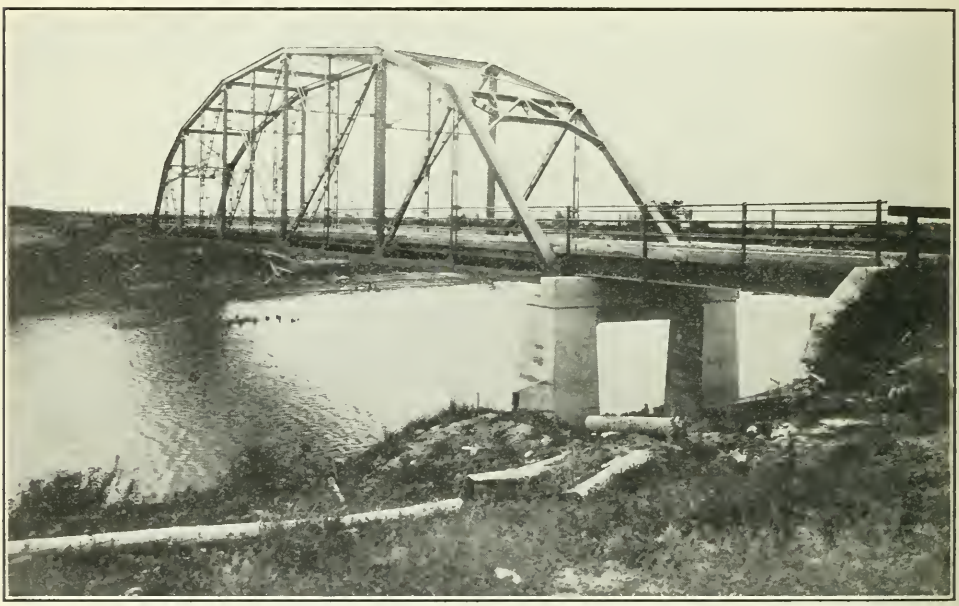
The renewal of bridges on trunk roads was all permanent construction work, six concrete structures being erected, and on local roads, eight timber bridges and one concrete culvert were constructed.

Sudbury-Manitoulin District.

The bituminous penetration road from Creighton to Copper Cliff was completed during the year, and the only new work of importance was the opening up of a road from Sudbury to the Mond Nickel Frood Mine. This road is now complete with the exception of three-quarters of a mile of gravelling.

The greater part of the expenditure was on maintenance and improvement of existing trunk roads, the two principal ones being the Sudbury-Soo Road and the Sudbury-North Bay Road. Considerable gravelling was done on the road from Capreol to Milnet and also on the road to Massey Bay.

The only construction work in the Manitoulin area was on the Espanola-Little Current Road, on which 15 to 18 men were engaged all summer, but improvements were made on roads in the Townships of Gordon, Campbell and Howland.



Bridge over White River—Temiskaming District.

Algoma-Sault Ste. Marie District.

The principal works carried on in this district are as follows:

1. The improvement of the westerly end of what is locally known as "The Second Line Road," by grading and gravelling four miles.

2. Nine miles of new construction on the Island Lake Road, connecting Bellevue and Glendale (and at the same time Sault Ste. Marie and Searchmont).

3. Eighteen miles of road cut out and partly graded from the Goulais Bay Road to Haviland Bay and along the shore of Lake Superior.

4. Five miles of new road connecting Lake Duborn with the Soo-Sudbury Road two miles west of Blind River.

5. The improvement of 12 miles of road connecting Goudreau Village with the Cline property, and,

6. The construction (in conjunction with the city) of one mile of concrete roadway in Sault Ste. Marie as portion of a through trunk road.

On the Soo-Sudbury Trunk Road the old 83-foot steel span at Echo Bay was replaced by a modern steel structure on concrete, and a 15-foot concrete bridge was constructed near Mississauga Station.

A timber bridge of two 60-foot standard trusses was built over the Echo River near Echo Bay on the Garden River Road.

Maintenance of roads was looked after by the patrol system and a party of four men with mechanical equipment, painted practically all the steel bridges in the district with the exception of those in the vicinity of Webbwood.

Temiskaming District.

An intensive programme of maintenance of all trunk roads and branch trunk roads was embarked upon as soon as the snow was off the ground and continued during the season. This was responsible for a considerable portion of this year's expenditure, but was well justified by the road improvement shown in the district.

Typical road camp—Northern Ontario.

The principal works of a construction nature were:

1. Cutting out of the portion of the North Bay-Cobalt Road as far south as the district boundary, and the construction of the 22 miles of same between Latchford and Temagami. This work was not completed this fiscal year but the progress made will enable this portion to be opened for traffic early in 1926.
2. The completion of the surfacing of the Latchford-Cochrane Trunk Road between Latchford and Swastika.
3. The completion of the surfacing of an all-gravel road from New Liskeard to Gowganda.
4. The improvement of the Englehart-Krugerdorf-Boston Creek Branch Trunk Road.
5. The improvement of the Pearson-Brethour-Hilliard Branch Trunk Road.
6. The improvement of the Englehart-Hilliardton-Tomstown-Heaslip Branch Trunk Road.
7. The improvement of the North Road, Uno Park-Milberta Branch Trunk Road.

8. The improvement of the North Road, Greenwoods-Brethour Branch Trunk Road.

The improvement on the last-mentioned road included the construction of a 210-foot steel span with two 30-foot approaches and a concrete deck.

Elk Lake bridge, which is over 300 feet long, was widened and strengthened and the main steel span underpinned.

Two steel spans were moved from Greenwoods bridge and erected over the Otter Creek at Dewar's and Matteau's.

Cochrane District.

The territory covered by this district is a large one, taking in the Hearst, Kapuskasing, Cochrane, Porcupine and Matheson sub-districts.

In *Hearst Sub-District* the major portion of the outlay was on the construction of roads to provide the settlers with outlets to the existing system of trunk roads, much of the work being done for the relief of unemployed in the district.

Port Arthur-Winnipeg Highway—First stage of Construction,

Considerable work was done on the trunk road along the Canadian National Railway east of Hearst, and a system of patrol maintenance established, and although the season was exceptionally wet, the existing main roads were kept in a good state of repair.

To provide an outlet for the settlers in the vicinity of Joguez, a road was opened up by the grading of the Way-Kendall and Way-Lowther boundaries which has provided a continuously graded and partly gravelled road into the town of Hearst.

In *Kapuskasing Sub-District* the trunk road paralleling the railway was the main project, aiming at connecting up all the communities along the line. The cutting was all completed and as much as possible grubbed and graded. The road now extends from Harty Pit on the west to Strickland on the east, a distance of 41 miles.

Gravelling and ditching on the Remi Lake Road northward from the railway was the only other work of magnitude with the exception of the installation of a plant at the Moonbeam Gravel Pit and the construction of 36-inch gauge

railway nearly three miles long, to convey the gravel to the Canadian National Railway. The steel is now laid, the track ballasted, the bins erected and the necessary sidings constructed for loading the gravel on the railroad cars.

In *Cochrane Sub-District* the two most important roads are: (1) the road southward from Cochrane, and (2) the road westward from Cochrane. On these two roads considerable work was done this year. It was hoped to complete the reconstruction westward as far as Driftwood, but owing to wet weather this was found impossible. To the south on the Latchford-Cochrane road, the road was gravelled from Nellie Lake to Devonshire and reconstructed from Devonshire to Holland. Eight miles of road previously cut out were constructed, and other portions of the road, as far south as Porquis Junction, improved.

In addition to the foregoing, many of the main roads were practically reconstructed, widened, and improved to provide necessary outlets; and to connect Norembega (the most easterly settlement) with the Cochrane roads, the road between Concessions 2 and 3, Brower Township, was constructed for 2½ miles across Lots 5 to 9 inclusive; and other roads were extended to keep pace with settlement.

The completion of the grading of the road to Iroquois Falls from Monteith and the roads from Kelso and Porquis Junction to the same place, provide three direct routes to the market so much sought after by the agricultural communities referred to, and the work done to accomplish this represented a considerable expenditure this year.

Timmins Sub-District, covering the Porcupine gold camp area, shows a very high road expenditure this year due principally to (1) the completion of the bituminous penetration road from Timmins to South Porcupine, a distance of six miles, the roadway being 26 feet wide with a 16-foot bituminous strip in the centre; (2) the construction (in conjunction with the Town of Timmins) of about three quarters of a mile of bituminous road on Wilson Avenue, Timmins, from Mattagami River eastwards; (3) a similar road two miles long (in conjunction with the Township of Tisdale) from South Porcupine to the Dome Mine; (4) the completion of the gravelling of the road from Porcupine to Porquis Junction (with the exception of the portion across Frederick House Lake), the seven miles from Barber's Bay westward, and the three miles from Porcupine River westward; (5) the cutting out of a road to the Night Hawk Peninsular Mine, Townships of German and Cody, and (6) the rebuilding of a road in the Township of Matheson to serve the needs of the settlers in the northern section of Matheson and Evelyn Townships.

In the Matheson Sub-District the main expenditure, outside of general maintenance and repair, was the grading of the Shillington-Hoyle Road as far west as Lot 5, Concession 1, Township of German, at which point it joins an old logging road running northerly to Barber's Bay. Sufficient work was done on this old logging road to permit automobiles to go through from Shillington to Barber's Bay. This road will bring the markets of Timmins within truck hauling distance of the settlers of Matheson District.

In addition to the foregoing the gravelling of the Latchford-Cochrane Trunk Road, south of Matheson, was completed to Ramore, and north of Matheson the section between Val Gagne and Monteith was also gravelled.

Fort William-Port Arthur District.

The outstanding features of this year's road and bridge programme were:

1. Completion of the road from Nipigon on the east to Shebandowan Lake on the west, these points being 122 miles apart. A very large portion of this road is gravelled.

2. A large mileage of new construction of main roads in unorganized townships, opening up many sections previously isolated.

3. An extensive bridge programme comprising ten new structures, one of which was a 300-foot concrete and steel bridge and two 200-foot timber structures.

4. Patrol maintenance of a large mileage of trunk roads and the widening and improving of the same at many points.

Kenora District.

The principal roads on which construction work was carried on this year are:

1. The Keewatin-Manitoba Road on which nearly four miles of grading were completed and gravel placed on 3½ miles. The westerly end of the grade is now at M.P. 14.

2. Trunk road extension eastward on which 13 miles (from Dinorwic to Dyment) were cut out, 10 miles stumped and grubbed and 5¼ miles graded.

3. Sioux Lookout Road on which three miles southward from Sioux Lookout were cut out, 2.1 miles stumped and grubbed and three quarters of a mile graded.

Newly graded road—Port Arthur to Nipigon.

Contracts were let for the construction of a concrete and steel bridge over an arm of the Lake of the Woods at Keewatin, consisting of two spans of 240 feet and 140 feet in length. This work is now under way and will be completed by early spring.

A considerable expenditure was made in conjunction with the Road Commissioners of various townships under the Statute Labour Act, and this year a growing interest in road work was in evidence in practically all the townships which are not organized under the Municipal Act. Altogether there are 161 miles of roads in the district to be looked after by statute labour.

Patrol maintenance of 141.3 miles of road was responsible for a high expenditure, but the results obtained seem to justify the expenditure.

The road eastwards was finally located during the year as far east as Osaquan (45 miles east of Dinorwic) and a location of the road to connect the Dryden area with the Kenora area was also made, but the route obtained over this 62 miles is not yet considered final.

Rainy River District.

The major part of the work in this district was placing gravel on the roads already constructed in the district, and the general maintenance of these roads, the cost of which was greatly increased by unsettled weather conditions throughout the season.

The most important road in the district connecting Fort Frances with Rainy River was maintained in good condition, as well as the principal lateral roads, but there was no extensive work of a construction nature, other than a few extensions of branch roads to keep pace with the development of the district.

Section 1. (D). Farms.

As the farm at New Liskeard, in previous years operated by this Department, had been taken over by the Department of Agriculture in 1924, the activities of the Department of Northern Development in 1925 were concentrated upon the

Bridge over Kaministiquia River on Dawson Trail—Thunder Bay District.

Hearst Farm. A substantial residence was erected for the superintendent and there were also constructed a barn, implement shed and hen house, all suitably equipped. A water supply was provided by the sinking of a well, and a sewerage system was installed. The clearing of additional land was extended, and additional live stock was purchased for the farm. The expenditures amounted to $46,145.07.

Section 1 (D). Sawmills.

The two portable sawmills, which were put into operation after the Haileybury fire of 1922, were continued in the assistance of the settlers who suffered in the fire by sawing the logs which had been hauled during the winter of 1924-25.

As this work was largely completed by the end of the fiscal year the operation of the mills has now ceased.

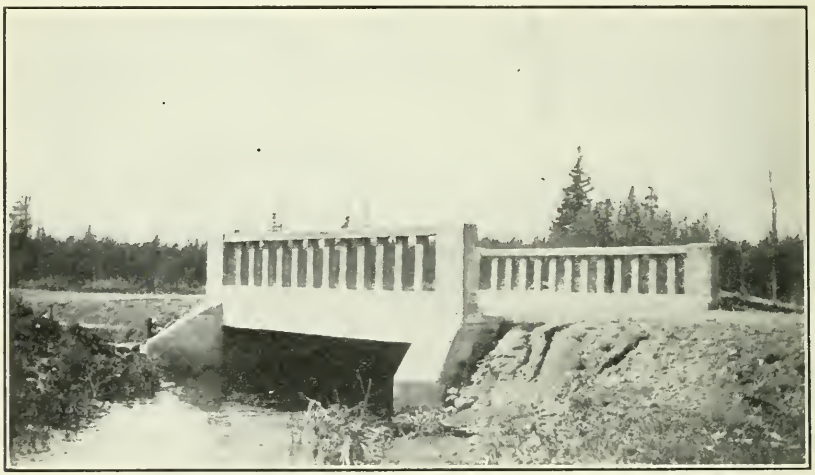
The cost of operating the two mills during the year was $3,696.62.

Section 1 (E). Creameries.

Assistance was rendered to the settlers served by the Creameries at Cochrane and Matheson, by the provision of an expert buttermaker at each of those creameries during the summer months. This arrangement was made in co-operation with the Dairy Branch of the Department of Agriculture; the cost, defrayed out of the Northern Development Fund, amounted to $1,950.00.

Section 2 (1). Seed Grain.

The necessity for seed distribution by the Department in the spring of 1925 was chiefly confined to the District of Cochrane, along the Transcontinental Railway west of Cochrane, and south from that town to the vicinity of Matheson.



Typical concrete bridge—Northern Ontario.

In this territory some difficulty has been experienced in obtaining a local supply of grain of the requisite germinating quality for seed. Small quantities of seed were supplied in the Districts of Temiskaming, Port Arthur, Thunder Bay, Kenora, Sudbury, Nipissing and Muskoka. The total expenditure was $6,450.15.

As in former years, repayment of the value of the seed supplied was secured by a charge against the property of the purchasers.

The total quantities supplied in 1925 were: Oats, 3,306 bushels; wheat, 242 bushels; barley, 350 bushels.

Section 2 (2). Cattle Purchase.

During recent years the settlers in the northern parts of the province have become, to an increasing extent, producers of grain and other feed crops; and the disposal of surplus quantities of oats and hay in particular had become a problem to many of the more successful farmers. The local demand for this surplus

produce did not grow with the increased supply, and shipping to southern points, more especially in the case of hay crops, was not an economical solution, owing to haulage and freight costs.

This condition was the subject of investigation by the Departments of Agriculture and Northern Development, and in order to provide an outlet for the extra feed produced, it was decided to supply dairy cows of a good grade to approved applicants. The terms included a minimum cash payment, on delivery, of 25 per cent. of the purchase, the balance to be secured by a charge against the registered property of the purchasers with interest at six per cent. per annum; repayable at the rate of $3.00 per month per cow. The animals were purchased by a representative of the settlers (whose expenses were paid by the Department) appointed by them for each lot of cows ordered; in this he was assisted by a representative of the Live Stock Branch of the Department of Agriculture. The stock was shipped in carload lots, and each purchaser was charged a flat rate of $12.00 per head as part of the expenses of purchase and distribution. Up to the end of the fiscal year 256 cows were so distributed, of which 36 were pure bred, the remainder being good grade cattle, and four pure bred bulls were also supplied. The breeds represented were Ayrshire, 47 per cent.; Holstein, 39 per cent.; Shorthorn, 10 per cent., and Jersey, four per cent. In 47 cases the tuberculosis test was taken prior to purchase. The total gross expenditure by the Department was $23,811.57. Of this, $9,717.66 was repaid in cash either at the time of purchase, or by monthly instalments afterwards, representing 42 per cent. of the charged cost, leaving a balance of principal charged against the properties of the purchasers, $13,197.84. The net cost to the Department, after deducting the sums so repaid or charged, is $896.07. The average purchase price per head for the 260 cattle was $76.11; cost of purchase and distribution, $15.47; total cost, $91.58.

The average price charged to the settler was $88.14, leaving a balance to be borne by the Department of $3.44 for each animal.

Only two cases of death have been reported of the cows supplied, one through poisoning, and the other attributable to parturition. Of the other 258 animals there are none but favourable reports received; and the settlers have expressed themselves as being highly gratified with the result of the transaction.

Jas. Sinton,
Chief Engineer, Department of Northern Development, Ontario.

SUMMARY OF EXPENDITURE FOR THE FOURTEEN YEARS ENDED OCTOBER 31ST, 1925, NORTH AND NORTHWESTERN ONTARIO DEVELOPMENT FUND

	Summary of Expenditure May 23, 1912, to Oct. 31, 1924	Expenditure for year ended Oct. 31, 1925	Total Expenditure to October 31, 1925
Section 1 (a) Works and Improvements	$2,100 00	.....	$2,100 00
Section 1 (b) Roads	15,722,667 24	3,359,377 16	19,082,044 40
Section 1 (d) Farms	135,509 43	46,145 07	181,654 50
Section 1 (d) Assistance of Settlers: Feed shortage	124,189 58	26 91	124,216 49
Section 1 (d) Assistance of Settlers: Fire Relief	329,099 50	.....	329,099 50
Section 1 (d) Assistance of Settlers: Sawmills	11,181 65	3,696 62	14,878 27
Section 1 (e) Creameries and Grain Elevators	61,215 16	1,950 00	63,165 16
Section 2 (1) Seed Grain	271,148 91	6,450 15	277,599 06
Section 2 (1) Agricultural Implements	46,788 92	2 64	46,791 56
Section 2 (2) Purchase of Cattle	21,617 99	23,811 57	45,429 56
Section 2 (4) Schools and Other Public Bldgs	52,568 49	430 80	52,999 29
Section 2 (6) Fire Protection	3,773 45	.....	3,773 45
Returned Soldiers' and Sailors' Settlement Act, 1917	1,185,568 02	.....	1,185,568 02
	$17,967,428 34	$3,441,890 92	$21,409,319 26
Settlers' Loan Account, Amending Act, 1916	1,178,357 57	120,256 74	1,298,614 31
	$19,145,785 91	$3,562,147 66	$22,707,933 57

November 14th, 1925.

NORTH AND NORTHWESTERN ONTARIO DEVELOPMENT FUND

Short Statement

April 16th, 1912, To amount voted for Expenditure in N. & N.W. Ontario	$5,000,000 00
March 26th, 1918, " " " " "	5,000,000 00
May 3rd, 1921, " " " " "	5,000,000 00
May 8th, 1923, " " " " "	5,000,000 00
April 14th, 1925, " " " " "	5,000,000 00
	$25,000,000 00
April 16th, 1912, to October 31st, 1925: By Expenditure for 14 years, as per statement	22,707,933 57
Balance available, October 31st, 1925	$2,292,066 43

Toronto, November 14th, 1925.

DEPARTMENT OF NORTHERN DEVELOPMENT

Statement of Expenditure, Year Ended October 31st, 1925

Making of Roads, Section 1 (b):—		
Fullerton, C. H., Deputy Minister, Salary, 5 mos	$2,000 00	
Sinton, James, Chief Engineer and Purchasing Agent, Salary	3,200 00	
Leitch, J. S., Bridge Engineer, Salary	3,200 00	
Smyth, W. R., Supervisor of Settlement, Salary	3,000 00	
Beardall, F. G., Head Clerk, Salary	2,550 00	
Lawer, W. L., Principal Account Clerk, Salary	2,300 00	
Reid, Alex., Draughtsman, Salary	2,100 00	
Dicker, C. L., Senior Clerk, Salary	1,700 00	
Fleming, Miss E., Clerk, Salary	1,450 00	
		$21,500 00
Temporary Staff, Salaries		26,497 29
Wages	$1,827,061 97	
Contracts	637,632 52	
Supplies, Equipment, Rentals, Services, Disbursements	846,685 38	
		3,311,379 87
		$3,359,377 16

Advance of Settlement and Colonization: Farms, Section 1 (d):—			
Wages		$20,694 70	
Contracts		11,212 70	
Supplies, Fencing, Equipment, Stock and Disbursements		14,237 67	
			$46,145 07
Assistance of Settlers: Feed Shortage, Section 1 (d):—			
Cartage and Stationery			26 91
Wages		$2,997 70	
Gasoline and supplies		698 92	
			3,696 62
Creameries: Matheson and Cochrane, Section 1 (e):—			
Wages			1,950 00
Seed Grain: Section 2 (1):—			
Seed, Freight, Services and Disbursements			6,450 15
Agricultural Implements, Section 2 (1):—			
Printing			2 64
Purchase of Cattle, Section 2 (2):—			
Purchase Price of Cattle		$19,789 00	
Freight, Feed, Services and Disbursements		4,022 57	
			23,811 57
Schools and other Public Buildings, Section 4 (2):—			
Wages		$375 00	
Disbursements		55 80	
			430 80
Settlers' Loan Account, Amending Act, 1916:—			
Dane, F., Commissioner, Salary		$5,000 00	
Kennedy, W. K. P., Accountant, Salary		2,700 00	
Crawford, G., Stenographer, Salary		1,200 00	
Jack, F. M., Stenographer, Salary		886 98	
		$9,786 98	
Net Amount of Loans Issued	$109,560 00		
Expenses	909 76		
		110,469 76	
			120,256 74
			$3,562,147 66

Middle Falls, International Highway—Thunder Bay District.

DEPARTMENT OF NORTHERN DEVELOPMENT

Statement of Revenue for the Year Ended October 31st, 1925

	Capital	Ordinary	Total
Section 1 (b) Roads: Sale of Supplies, Lumber Equipment and Refunds	$11,246 01	.....	$11,246 01
Section 1 (d) Farms: Sale of Cow	100 00	.....	100 00
Section 1 (d) Assistance of Settlers: Feed Shortage:			
Payment of Principal on Notes	1,600 04		
Interest		$592 56	2,192 60
Section 2 (1) Seed Grain:			
Cash Sales and payment of Principal on Notes	9,525 56		
Interest		2,113 84	11,639 40
Section 2 (1) Agricultural Implements:			
Payment of Principal on Notes	6,146 05		
Interest		619 64	6,765 69
Section 2 (2) Purchase of Cattle Account:			
Cash Sales and Payment of Principal on Notes	9,717 66		
Interest		112 78	9,830 44
General Account: Bank Interest		1,200 56	1,200 56
	$38,335 32	$4,639 38	$42,974 70
Returned Soldiers' and Sailors' Land Settlement Act:			
Sale of Buildings, Shackleton Colony	1,855 00	.....	1,855 00
Settlers' Loan Account:			
Payments on Principal	86,040 46		
Interest and Exchange		35,938 09	121,978 55
	$126,230 78	$40,577 47	
Total Revenue under all heads, 1925 Account			$166,808 25

Toronto, November 14th, 1925.

DEPARTMENT OF NORTHERN DEVELOPMENT

Assets, October 31st, 1925

Cash Balances Unexpended:		
Roads and Miscellaneous Services	$59,892 57	
Soldiers' Settlement Account	13,060 20	
		$72,952 77
Settlers' Loan Account		33,340 00
		$106,292 77
Seed Grain: Notes outstanding		76,346 07
Agricultural Implements: Notes outstanding		29,440 74
Assistance of Settlers, Feed Shortage: Notes outstanding		55,346 20
Purchase of Cattle: Notes outstanding		15,526 24
		$282,952 02
Settlers' Loan Account: Loans outstanding: Principal	$704,013 88	
Interest	23,995 41	
		728,009 29
		$1,010,961 31

Contingent Assets

Roads: Buildings, Plant, Equipment, Machinery, Motors, Tractors, etc	$311,253 34
Farms: Buildings, Cleared Land, Equipment and Stock	41,784 96
	$353,038 30

Toronto, November 14th, 1925.

REPORT OF THE SETTLERS LOAN COMMISSIONER

As usual, every application received the consideration of this Department, and loans were granted on the basis of the actual security that the settler had in the shape of improvement to land.

The payments of interest by settlers this year, while not just so large as last year, can be considered very satisfactory, being 90.03 per cent.

From the correspondence with settlers of the North it would appear that crops last year were not up to their expectations, and there is the same desire expressed of their anxiety to get more stock in order that the crops raised can be consumed on their own premises.

The opening up of the new creameries through the north country no doubt has been a decided benefit to the settlers, and after a year or two of operations will encourage them to secure more stock.

F. Dane,
Settlers' Loan Commissioner.

MEMORANDUM OF LOANS TO SETTLERS

To October 31st, 1925

Applications

Total Number of Applications Received:—		
To October 31st, 1924	4,996	
Year Ending October 31st, 1925	645	
		5,641
Total Amount Applied for		$2,187,845 00
Average per Application		$387 84
Amount applied for under Applications which were approved		$1,445,930 00

Loans

Total Number of Loans Issued:—		
To October 31st, 1924	3,222	
Year Ending October 31st, 1925	304	
		3,526
Equal to 62% of Applications.		
Amount Granted		$1,155,110 00
Equal to 52% of Total Amount applied for and equal to 80% of Total Amount applied for under Applications which were approved.		
Average Loan		$327 59
Total Acreage covered by Liens		539,914
Acreage, Improved Land		82,977
Equal to 15% of Total Acreage.		
Average Loan per Acre on Total Acreage		$2 13
Average Loan per Acre on Acreage Improved Land		$13 92

MEMORANDUM OF LOANS TO CREAMERIES AND OTHER LIKE ASSOCIATIONS

To October 31st, 1925

Applications and Loans

The Sudbury Co-operative Creamery Co., Ltd	$24,000 00
The Kenora Dairy Co-operative Association, Ltd	13,000 00
Producers' Co-operative Creamery Co., Ltd., Lavallee, Ontario	3,500 00
Matheson Co-operative Dairy Co., Ltd	5,445 00
Cochrane Co-operative Dairy Co., Ltd	7,830 00
Northern Co-operative Company, Ltd., Rydal Bank, Ontario	5,000 00
Total	$58,775 00

Note.—All above Associations are in active operation and have promptly paid the amounts falling due on their respective loans, with exception of Kenora Dairy Co-operative Association, which went into liquidation in 1922, and all property now under jurisdiction of the Department of Northern Development, as outlined in report of last year.

The standing of this particular account as at October 31st, 1925, is as follows:—

Principal	$13,000 00
Accrued Interest	1,428 19
Total	$14,428 19

REPAYMENTS

On Account of Interest

	Accrued Interest Due	Interest Received	Per Cent.
Loans to Settlers	$233,196 99	$210,629 77	90.32
Loans to Creameries	7,717 94	6,289 75	81.49
Total	$240,914 93	$216,919 52	90.03

On Account of Principal

	Payments on Principal Due	Principal Received	Per Cent.
Loans to Settlers	$615,002 50	$498,898 87	81.12
Loans to Creameries	4,972 25	10,972 25	.....
Total	$619,974 75	$509,871 12	82 24

Total

	Payments Due	Payments Received	Per Cent.
Loans to Settlers	$848,199 49	$709,528 64	83.65
Loans to Creameries	12,690 19	17,262 00	.....
Total	$860,889 68	$726,790 64	84.42

DETAILS OF LOANS ISSUED AND OUTSTANDING

District	Issued		Outstanding	
	No. of Loans	Amount	No. of Loans	Unpaid Principal and Accrued Interest
Algoma	140	$50,685 00	116	$38,603 53
Kenora	363	129,275 00	277	84,315 87
Manitoulin	14	5,750 00	13	4,148 49
Nipissing	182	64,270 00	154	41,209 60
Rainy River	265	88,750 00	190	45,565 08
Sudbury	208	101,610 00	176	68,310 80
Temiskaming	1,577	515,890 00	1,076	297,153 76
Thunder Bay	783	257,655 00	612	148,702 16
Totals	3,532	$1,213,885 00	2,614	$728,009 29

ANNUAL REPORT OF WORK DONE, YEAR ENDING OCTOBER 31ST, 1925, SUMMARIZED UNDER ELECTORAL DISTRICTS

	Side Brushing Miles	Cutting Miles	Burning Miles	Stumping and Grubbing Miles	Grading New Miles	Grading Repairs Miles	Cross Lay Miles	Ditching New Feet	Ditching Cleaned Feet	Gravelling New Length Miles	Gravelling New No. Cu. Yds. Gravel Used	Gravelling Repairs No. Cu. Yds. Gravel Used	Clay Surfacing No. Cu. Yds. Clay Used	Crushed Rock No. Yds. Crushed	Crushed Rock No. Yds. Hauled	Crushed Rock Length of Road Covered Miles	Dragging Miles	Other Repairs Miles	Culverts Wood	Culverts Stone and Concrete	Culverts Metal	Bridges No.	Bridges Description	Cut and Fill Cu. Yds.	Rock Excavation Cu. Yds.	Miscellaneous
ALGOMA	27 57	6 85	6 85	7 03	20 54	27 99		53,607	16,046	53 27	30,568	3,979					2,869 0		51	1	2	22 22	New Repaired			472 Lin. Ft. Guard Rail 719 Cu. Yds. Gravel on Side Road to Pit.
COCHRANE	101 85	339 80	97 6	108 05	101 20	462 70	0 09	490,953	82,090	57 27	45,088	5,017	143,340		150 9 130 5	1 50 Repairs	1,282 7	21 0	334	20	346	29 9	New Repaired	55,658	729	455 Lin. Ft. Guard Rail. 0 21 Miles Crosshay Removed. 11 5 Miles Road. 5,214 Sq. Yds. Scarified 18,111 Sq. Yds. Rock Base Course. 32,400 Lin. Ft. Shoulders. 32,400 Lin. Ft. Shoulders Trimmed. 59,381 Sq. Yds. Bituminous Penetration Surfaced. 1,273 Lin. Ft. Guard Rail. 880 Lin. Ft. 6-inch Asr. Tile 11 Cu. Yds. Rip-Rap 9,113 Cu. Yds. Crushed Rock used in sub base 7,270 Cu. Yds. Gravel used in ballasting. 1 1 Miles Track Laid 1 Mile Track Levelled.
FORT WILLIAM	39 705	30 69	12 00	22 31	25 075	28 27		67,378	22,424	20 07	19,524	13,791					2,848 3		293	22		11 24	New Repaired	44,622	10	1,271 Lin. Ft. Guard Rail. 5 0 Miles Road Rolled.
KENORA	37 67	56 52	41 19	50 99	45 59	59 67	2 33	286,398	354,087	45 83	17,149	9,374					1,895 31		334	27		5 13	New Repaired	123,289	18,815	
MANITOULIN	22 15	13 40	7 90	8 35	19 18	189 80		25,110		11 60	325	41,246 5			125	Repairs	1,049 05	401 00	60	17	1	3 1 1	New Scow Repaired	10,548 5	1,030	1,020 Lin Ft. Guard Rail 295 Lin. Ft. Stone Wall 1,650 Lin. Ft. Creek Cleaned. 1 2 Miles Road Rolled.
MUSKOKA	14 07	7 75	7 88	7 75	6 75	12 75		47,160		23 46	17,431				626	1 50	4,575 45		102	6	10	1	New	12,017	2,950	21,820 Lin. Ft. Guard Rail Cable.
NIPISSING	2 71	18 19	17 11	16 97	15 78	21 27	0 07	101,024	4,807	16 18	11,847	5,570					6,586 0		35	11	18	6 3	New Repaired	72,981	13,257	545 Lin. Ft. Guard Rail
PARRY SOUND	24 1	2 87	0 25	2 85	18 35	4 85		45,325		52 24	36,695						5,313 95		200	1	47	7 1	New Repaired	79,448	1,160	116 Lin. Ft. Guard Rail.
PORT ARTHUR	21 93	20 20	11 75	25 68	21 80	20 93		117,068	47,627	17 57	15,266	9,026 5	1,000				1,850 25		240	7		14 10	New Repaired	37,896	803	192 Lin. Ft. Guard Rail.
RAINY RIVER	13 33			2 07	1 20	5 793	0 203	20,577	13,070	42 77	24,958 5	4,439	9		75	Repairs	6,325 0		45		6	1 7	New Repaired	575		
RENFREW NORTH	5 25		5 25	2 75	2 75			11,880		12 73	9,851 5	1,719	30				3,065 0	20 0	2	9		3 1	New Repaired	9,782	2,567	
SAULT STE. MARIE	4 20	29 200	25 400	32 88	23 50	113 82	0 245	92,937	2,580	21 80	14,832	945					714 0		133	38		15 6	New Repaired	55,786		8,277 Lin. Ft. Guard Rail.
STURGEON FALLS	15 59	25 40	22 1	5 37	9 86	64 55		21,590		20 20	9,348	5,050					5,531 5		81	2	14	8 12	New Repaired	15,995	2,136	814 Lin. Ft. Guard Rail.
SUDBURY	37 83	8 19	33 67	19 10	39 04	525 36	1 315	207,026		1,604	11,932	34,460	840		1,233	Repairs	2,249 92		123	17	33	14 14	New Repaired	22,737	3,461	2,711 Lin. Ft. Guard Rail. 700 Lin. Ft. 18-inch Corrugated Iron Pipe in Culverts. 244 Cu. Yds. Concrete in Culverts. 41,067 Sq. Yds. Scarified and Re-shaped. 41,067 Sq. Yds. Bituminous Penetration Surface. 1,500 Cu. Yds. Crushed Rock used in Bituminous Surface.
TEMISKAMING	15 90	65 155	72 0	32 58	19 50	790 00	0 03	89,019	35,246	59 50	14,831	2,365	400	2,808	9,263 86	3 25 Repairs	5,426 0	136 0	96	2	206	15 6 23 1	New Temporary Repaired Painted	118,578	12,521	5,853 Lin. Ft. Guard Rail.
TOTALS	380 245	624 531	361 610	344 71	374 278	2,327 753	4 303	1,667,041	259,377	439 27	309,046	136,983	145,619	2,808	11,398 1,649 5	6 25 Repairs	51,549 63	578 0	2,129	180	677	154 1 6 146 1	New Scow Temporary Repaired Painted	659,928 5	59,439	

ENGINEER'S REPORT

On the operations of the Colonization Roads Branch during the fiscal year ending October 31st, 1925.

The colonization road work of this season, which has shown marked improvement, has been distributed over 177 townships in older Ontario, 102 municipalities amongst these townships taking advantage of by-laws. In New Ontario 75 municipalities received by-law aid only.

The work consisted chiefly of opening up 76.09 miles of new road; the improving of the 1,886.24 miles of old road; the placing of 1,878 culverts and the erection of 84 bridges.

An outline of the work in the counties and districts, followed by a compilation of the individual reports, is herewith given.

Addington County.

The most important direct grant work was on the Addington Trunk Road. This road is a continuation of the county road from Napanee to Kaladar, extending to Denbigh, a distance of 41 miles from Kaladar, passing through the villages of Northbrooke and Cloyne and also close to tourist locations on Loon and Mazinaw Lakes, as well as being a main line of travel to other suitable summer resorts.

The work on this road consisted mainly of grading 2½ miles between Northbrooke and Cloyne and gravelling 1¼ miles. An air compressor drill supplied for colonization road work in the counties of Addington and Frontenac, was also extensively used, and saved considerable money in the cost of drilling rock.

There were eleven foremen engaged on smaller expenditures in seven townships and all these works are reported satisfactory by the Inspector.

Bruce County.

The four townships at the north of the county received aid and the work under direct grants is reported as being more successful than that under by-law. Gravel is scarce in three of the townships, and a stone crusher was used in two of them with very satisfactory results. Seven overseers carried out the expenditures.

The main roads are in very good shape according to the report of the Inspector.

Carleton County.

The work was carried out by two overseers, one in each of two townships, spending only direct grant money.

The roads were improved by grading 200 rods and placing gravel on 570 rods under the Inspector.

Frontenac County.

Improvements were made on the Frontenac Trunk Road, which extends from Parham to Plevna, a distance of 51 miles, being a continuation of the county road from Kingston to Parham. This road passes through or close to the villages of Long Lake, Mountain Grove, Arden, Harlowe, Meyer's Cave, Fernleigh and Ardoch, as well as being the means of reaching many beautiful lakes used by summer tourists and hunters.

The work was carried out by five experienced foremen, one in each of the townships of Barrie, Clarendon, Hinchinbrooke, Kennebec and Olden.

One diversion was constructed in Olden and one in each of the townships of Hinchinbrooke and Kennebec was undertaken and partially completed and probably will be finished during the coming year. The work accomplished on this road included the construction of 2.41 miles of new road and improving 3.32 miles of old road, building three cattle passes and making considerable stone fill.

The balance of the work in this county was carried out by 42 foremen in 12 different townships under the Inspector, who reports each work as satisfactory. The air compressor drill was extensively used in several of the townships.

Hastings County.

The work under direct grants consisted of 43 miles of grading, of which 27½ miles were surfaced with gravel or crushed stone. Culverts placed were 61 cedar, 22 metal, 1 stone and 3 cement tile. The work was distributed over 20 townships, being carried out by 54 foremen who employed 569 men and 209 teams.

The trunk road, L'Amable to Maynooth via Fort Stewart, was improved by side brushing, grading, crowning, cutting down hills, making fills and placing culverts.

The Dods Valley diversion on this road, 1¾ miles in length, was cleared, stumped, grubbed and graded, and should be gravelled early in the spring. The drainage of this road received special attention, and all the work is up to the standard.

The road from Maynooth to Madawaska was made passable, and this is the first year the settlers of Madawaska have had an opportunity to motor out without danger, trouble and delay.

The main road from Bancroft to Deer Lake was also improved.

Lanark County.

Seven townships received direct grant assistance. Twenty-one foremen under the supervision of the Inspector carried on the work. The expenditure on each work was small and only improvements to existing roads were made, mostly by resurfacing with a good quality of gravel.

Leeds County.

Only two townships received colonization road aid. Three foremen under the Inspector improved two miles of road by chiefly draining, grading and surfacing with gravel. An extensive fill was made on one road.

Muskoka.

This district is somewhat handicapped on account of the location of gravel pits. Winter haul is the most economical. All the townships, 22 in number, receive Colonization Roads aid. During the year 25 overseers were engaged to carry out direct grant expenditures and the work was an improvement over preceding years. The townships who have appointed road superintendents are obtaining the best results on their roads.

The Port Severn-Honey Harbour Road was considerably improved by grading and ditching. This road is in need of a good surfacing material and it is thought the use of a stone crusher is advisable, as the haul for gravel is very long.

A very heavy tourist traffic passes over this road in the summer months.

Nipissing.

The settlements in this district are scattered over a large area owing to the location of Algonquin Provincial Park.

Fourteen townships received aid and the expenditures were made by 38 overseers under the supervision of the Inspector. Employment was given to many farmers at times when they were free from work on their farms. Some of the country is very rough and road building difficult. However, extensive improvements were made by grading, draining and gravelling the roads. Gravel is hauled a great deal during the winter.

Ontario.

The north two townships of this county, Mara and Rama, had between them five overseers improving the roads in the more sparsely settled parts by grading and gravelling.

The work is reported satisfactory by the Inspector.

Parry Sound.

Twenty-six townships in this district received assistance. Thirty overseers were employed. The Inspector reports a remarkable improvement on the roads. He also finds winter gravelling saves time and money.

All the organized townships with the exception of two have abolished statute labour. If the unorganized townships could be influenced or compelled to organize, it would be a great benefit for roads. The settlers in unorganized townships co-operate in the improvement of their roads. Heavy rains in the fall left many roads cut up.

Peterborough County.

Eight townships in the northerly part of this county took advantage of the Colonization Road Act. Thirty-eight overseers were employed in carrying out the direct grant expenditures. About seven miles all told were ditched, graded and surfaced with crushed stone, making a very suitable road. The smaller expenditures were used in gravelling roads with a good quality of gravel, except in the municipality of Galway and Cavendish, where the only material available is a poor quality of sand gravel. One new road was constructed from the Buckhorn Road to Catchacoma Lake for the benefit of tourists.

Renfrew County.

Direct grant expenditures were made in thirty-one townships. Ninety overseers were employed on the work. In addition to the township work four trunk roads were improved. The Golden Lake Road was an excellent job, good wide ditches being constructed, a substantial grade, well walled with stone, was surfaced twenty feet wide with a good quality of gravel. The Dacre-Caldwell Road was improved by making a stone foundation, covering it with earth and surfacing with gravel. The work on the Calabogie-Burnstown Road was continued from the preceding year's work, by constructing a standard grade, having good drainage and placing two loads deep gravel on the grade. The Calabogie-Wilson Road was improved between Calabogie and the Black Donald Graphite Mine by widening the grade to standard width and surfacing with gravel. This road will eventually probably be extended to Denbigh, connecting up with other trunk roads.

Simcoe County.

During the year eight townships received direct grant aid and forty-five overseers were employed, each having a reasonable number of men and teams.

The grading has stood up very well, but on account of so much rain in the fall the gravel was cut through in places and will need some repairing in the spring.

The Port Severn Road was built up with stone for one mile and has a crushed stone top.

The working conditions could be improved and the expense of keeping up the township roads curtailed if each municipality could be prevailed upon to keep their roads dragged in the spring when the frost is coming out, and the same kept in smooth condition until the road is dry.

If this were done the back roads would be in good condition all summer, but until this system is adopted township roads will not improve very fast, as the money is spent repairing roads cut up in the spring that should go into permanent work.

Victoria and Haliburton.

There has been a great deal of good work done by widening the grades, surfacing with gravel and crushed stone, ditching, cutting down hills, filling hollows, cutting brush on the sides of the roads and building deviations around large hills. Several townships are using metal culverts.

The road known as the Scenic Highway and which extends from Coboconk to Minden, to Dorset, passing along or near lakes, very suitable for summer tourists, over its entire distance of sixty miles, was improved between Coboconk and Norland, and between Miners Bay and Minden, by ditching, widening the grade and gravelling about three miles. Two miles of new road were constructed between Halls Lake and Ox Narrows, and the work was well done. Next year the road probably will be opened for traffic as far as the head of St. Nora's Lake. Three foremen under the supervision of the road engineer carried out the trunk road work.

The number of townships in which direct grant expenditures were made totals eighteen and the number of overseers engaged on this work was forty-four.

The roads will need attention early in the spring owing to the excessive wet fall.

BY-LAWS

In each of the above twelve counties and three districts, as well as in New Ontario in the eleven following districts: Algoma, Cochrane, Fort William, Manitoulin, Nipissing, Port Arthur, Rainy River, Sault Ste. Marie, Sturgeon Falls, Sudbury and Temiskaming, the by-law work seems most satisfactory, the municipalities appreciating this method of carrying out improvements on their roads.

Many municipalities have embarked on a policy of improving their main roads first, and in those that have initiated this programme are to be found the best roads. The surface so far has been confined mostly to a good quality of gravel, this being placed on a substantial sub-grade having proper drainage.

During the year 187 road by-laws were paid, on the dollar-for-dollar basis, the sum of $249,608.14.

Forty-seven municipalities purchased machinery at a total cost of $19,835.56, towards which the Government paid $4,958.89, according to the agreements under by-laws. The purchases included blacksmith forge and supplies, cement, coal, cylinder oil, culverts (metal, tile, etc.), drags, drains, drills, dynamite, fuse and caps, gravel, gravel pits, guard cable, graders (boss, light, heavy, tractor, and 1C square seal leaning wheel), lumber (cedar, tamarac, pine, spruce, etc.), repairs for crushers and graders, scrapers (wheel and slush), scarifier bars, stone crushers, stone, stumping powder, tools and wire.

Twenty-nine municipalities passed by-laws appointing a road superintendent to supervise their road work. This is an increase over previous years and is to be encouraged as much as possible. The Government paid towards these overseers' salaries the sum of $2,134.30, being on the basis of 40 per cent. up to $150.00.

Work	Direct Grants	By-laws	Total
Bridges	15	69	84
Culverts	510	1,368	1,878
Cut and Fill	66,674 cu. yds.	107,225 cu. yds.	173,899 cu. yds.
Cleared and Stumped	23,841 rods	75,561 rods	99,402 rods
Ditched	9,508 rods	25,839 rods	35,347 rods
Graded and Shaped	74,377 rods	273,461 rods	347,838 rods
Surfaced	67,728 rods	224,575 rods	292,303 rods
New Road Construction	21.90 miles	54.19 miles	76.09 miles
Old Road Maintenance	310.50 miles	1,575.74 miles	1,886.24 miles

Direct Grants, Total Expenditure	$197,669 78
By-Law Grants, Total Expenditure	256,701 33
Miscellaneous, Total Expenditure	20,038 23
Colonization Roads Branch, Total Expenditure	$474,409 34
Receipts	$545 97

C. H. Meader,
Engineer, Colonization Roads.

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TORONTO
CANADA

Fifth Annual Report

OF THE

Mothers' Allowances Commission

FOR THE YEAR

1924-1925

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

ONTARIO

TORONTO
Printed and Published by Clarkson W. James, Printer to the King's Most Excellent Majesty
1926

To His Honour Henry Cockshutt,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

I have the honour to present herewith the Fifth Annual Report of the Mothers' Allowances Commission for the year 1924-1925.

Respectfully submitted,

Forbes Godfrey,
Minister of Health and Labour.

COMMISSION

Rev. Peter Bryce, *Chairman*

Mrs. Elizabeth Shortt, M.D., *Vice-Chairman*

Mrs. Minnie Singer

Mr. A. J. Reynolds

Lieutenant-Colonel T. J. Murphy, K.C.

Fifth Annual Report

OF THE

Mothers' Allowances Commission

For the Year 1924-1925

FOREWORD

In presenting the Fifth Annual Report of the Mothers' Allowances Commission the Commission desires to express its continued appreciation of the services rendered by the five hundred ladies and gentlemen comprising the one hundred local boards operating throughout the Province. The services rendered by these boards are indispensable in the administration of the Act. In addition to that aspect of the work of the boards the kindly and helpful relationships that have been established between the members of the boards and the beneficiaries have added much to the value of the Act.

The Commission is indebted also to the municipalities for their generous co-operation. The municipalities have continued to show a sympathetic attitude toward the Act and the expenditure involved. The sum of $814,967.50 was last fiscal year paid by the municipalities as their share of allowances paid to the beneficiaries under the Act.

The amount expended for allowances during last fiscal year totalled $1,781,281, an increase of $73,387 over the previous year. The cost of administration was reduced to 4 per cent.

Every measure of this nature must be judged by results. The social values of the Mothers' Allowances Act as briefly outlined in this report will indicate that the expenditure involved in the passing of the Mothers' Allowances Act has already been fully justified by the social results attained.

The Commission acknowledges with thanks the sympathetic and unfailing interest of the Honourable Forbes Godfrey, M.D., Minister of Health and Labour, in all matters affecting the Mothers' Allowances Act.

PETER BRYCE,
Chairman.

The Commission met in the early part of each month, and during the year had some 7,200 cases under consideration.

Payments were made as follows:

1924	Number of Beneficiaries	Amount
November	4065	$144,681
December	4119	147,695
1925		
January	4131	147,796
February	4155	149,096
March	4208	150,686
April	4190	150,552
May	4178	149,869
June	4183	149,914
July	4184	149,898
August	4189	149,900
September	4194	150,368
October	4185	150,225
		$1,790,680
Less amount of cheques returned to the Provincial Treasurer for cancellation	....	9,399
		$1,781,281

SUMMARY OF ALLOWANCES PAID

No. Beneficiaries	Counties -	Amount Paid	Less Cancelled Cheques		Adjustments		Nett Amount
					Debits	Credits	
		$	$	$	$	$	$
27	Brant	10,330	30	10,300	.....	250	10,050
48	Bruce	17,350	100	17,250	.....	.....	17,250
40	Carleton	15,979	30	15,949	45	200	15,794
32	Northumberland	13,958	60	13,898	.....	.....	13,898
23	Durham	9,270	65	9,205	.....	.....	9,205
13	Dufferin	4,120	.....	4,120	.....	.....	4,120
46	Stormont	17,430	205	17,225	150	140	17,235
19	Dundas	6,785	.....	6,785	.....	.....	6,785
23	Glengarry	9,360	.....	9,360	.....	150	9,210
55	Essex	20,901	110	20,791	.....	430	20,361
28	Elgin	11,620	110	11,510	90	40	11,560
19	Frontenac	7,930	45	7,885	.....	.....	7,885
57	Grey	20,195	30	20,165	.....	15	20,150
23	Leeds	7,580	.....	7,580	80	.....	7,660
21	Grenville	7,690	.....	7,690	.....	.....	7,690
44	Hastings	18,715	165	18,550	.....	.....	18,550
15	Haldimand	5,620	.....	5,620	.....	.....	5,620
11	Haliburton	3,835	70	3,765	.....	30	3,735
30	Halton	12,340	25	12,315	140	.....	12,455
46	Huron	16,693	152	16,541	.....	.....	16,541
38	Kent	14,938	80	14,858	180	240	14,798
15	Lennox and Addington	5,460	.....	5,460	.....	.....	5,460
38	Lanark	13,665	65	13,600	.....	.....	13,600
27	Lincoln	9,665	30	9,635	.....	.....	9,635
24	Lambton	8,795	30	8,765	.....	.....	8,765
44	Middlesex	17,665	100	17,565	.....	100	17,465
31	Norfolk	10,715	115	10,600	240	.....	10,840
32	Ontario	11,340	.....	11,340	.....	.....	11,340
35	Oxford	13,600	50	13,550	.....	.....	13,550
29	Peterborough	11,295	25	11,270	.....	.....	11,270
26	Peel	9,804	65	9,739	.....	315	9,424
21	Prince Edward	7,997	115	7,882	.....	.....	7,882
46	Prescott	17,215	.....	17,215	.....	50	17,165
49	Russell	22,165	40	22,125	.....	160	21,965
16	Perth	6,417	75	6,342	.....	.....	6,342
94	Renfrew	39,005	185	38,820	.....	120	38,700
131	Simcoe	54,272	265	54,007	.....	.....	54,007
40	Victoria	17,045	35	17,010	.....	.....	17,010
37	Wentworth	13,405	.....	13,405	.....	.....	13,405
34	Welland	14,472	135	14,337	.....	.....	14,337
22	Wellington	8,419	45	8,374	.....	.....	8,374
53	Waterloo	18,966	175	18,791	.....	60	18,731
205	York	73,165	240	72,925	110	834	72,201
	Cities						
62	Brantford	27,930	.....	27,930	.....	165	27,765
28	Belleville	12,670	35	12,635	.....	275	12,360
19	Chatham	9,115	40	9,075	.....	230	8,845
37	Fort William	18,300	45	18,255	.....	90	18,165
24	Guelph	11,430	45	11,385	.....	150	11,235
22	Galt	12,415	140	12,275	.....	770	11,505
185	Hamilton	83,596	380	83,216	.....	.....	83,216
35	Kingston	15,665	60	15,605	.....	170	15,435
32	Kitchener	15,278	95	15,183	.....	60	15,123
85	London	43,966	435	43,531	.....	197	43,334
19	Niagara Falls	5,930	.....	5,930	.....	.....	5,930
26	North Bay	3,190	.....	3,190	40	.....	3,230
21	Oshawa	9,395	65	9,330	.....	115	9,215
291	Ottawa	140,695	425	140,270	200	195	140,275
27	Owen Sound	12,910	.....	12,910	.....	.....	12,910
35	Port Arthur	16,825	40	16,785	.....	180	16,605
45	Peterborough	20,694	70	20,624	.....	25	20,599
20	Sarnia	8,213	45	8,168	.....	40	8,128

DURING FISCAL YEAR 1924-1925

Fifty Per Cent. Chargeable to Municipalities	Balance Outstanding 31st October, 1924	Amount Due by Municipalities	Amount Received from Municipalities	Amount Outstanding 31st October, 1925
$ c.	$ c.	$ c.	$ c.	$ c.
5,025.00	1,221.00	6,246.00	4,988.50	1,257.50
8,625.00	2,263.00	10,888.00	10,125.50	762.50
7,897.00	718.00	8,615.00	8,002.50	612.50
6,949.00 4,602.50	1,946.50	13,498.00	11,645.50	1,852.50
2,060.00	970.00	3,030.00	1,872.50	1,157.50
8,617.50 3,392.50 4,605.00	5,077.50	21,692.50	17,392.50	4,300.00
10,180.50	763.50	10,944.00	10,071.50	872.50
5,780.00	1,020.00	6,800.00	6,385.00	415.00
3,942.50	330.00	4,272.50	4,015.00	257.50
10,075.00	826.50	10,901.50	9,996.00	905.50
3,830.00 3,845.00	617.50	8,292.50	7,630.00	662.50
9,275.00	4,647.50	13,922.50	9,332.50	4,590.00
2,810.00	375.00	3,185.00	1,937.50	1,247.50
1,867.50	*195.00	1,672.50	1,535.00	137.50
6,227.50	2,512.50	8,740.00	8,280.00	460.00
8,270.50	3,305.00	11,575.50	10,863.00	712.50
7,399.00	604.50	8,003.50	7,429.00	574.50
2,730.00	240.00	2,970.00	2,757.50	212.50
6,800.00	597.50	7,397.50	6,850.00	547.50
4,817.50	392.50	5,210.00	4,805.00	405.00
4,382.50	687.50	5,070.00	4,712.50	357.50
8,732.50	720.00	9,452.50	8,752.50	700.00
5,420.00	452.50	5,872.50	5,450.00	422.50
5,670.00	441.00	6,111.00	5,598.50	512.50
6,775.00	560.00	7,335.00	6,782.50	552.50
5,635.00	451.00	6,086.00	5,598.50	487.50
4,712.00	393.50	5,105.50	4,718.00	387.50
3,941.00	300.00	4,241.00	3,921.00	320.00
8,582.50 10,982.50	3,292.50	22,857.50	19,635.00	3,222.50
3,171.00	262.50	3,433.50	3,207.00	226.50
19,350.00	1,602.50	20,952.50	19,355.00	1,597.50
27,003.50	4,521.00	31,524.50	29,371.50	2,153.00
8,505.00	635.00	9,140.00	8,460.00	680.00
6,702.50	535.00	7,237.50	6,662.50	575.00
7,168.50	1,223.50	8,392.00	7,829.00	563.00
4,187.00	762.00	4,949.00	3,294.00	1,655.00
9,365.50	1,526.00	10,891.50	10,050.00	841.50
36,100.50	5,698.50	41,799.00	38,628.50	3,170.50
13,882.50	2,132.50	16,015.00	14,812.50	1,202.50
6,180.00	500.00	6,680.00	6,172.50	507.50
4,422.50	725.00	5,147.50	4,797.50	350.00
9,082.50	1,497.50	10,580.00	9,815.00	765.00
5,617.50	1,035.00	6,652.50	6,220.00	432.50
5,752.50	1,112.50	6,865.00	6,822.50	42.50
41,608.00	6,522.50	48,130.50	41,015.50	7,115.00
7,717.50	1,377.50	9,095.00	8,407.50	687.50
7,561.50	1,237.00	8,798.50	7,633.50	1,165.00
21,667.00	5,360.50	27,027.50	25,370.00	1,657.50
2,965.00	477.50	3,442.50	3,105.00	337.50
1,615.00	.....	1,615.00	1,065.00	550.00
4,607.50	380.00	4,987.50	4,600.00	387.50
70,137.50	16,839.50	86,977.00	63,602.00	23,375.00
6,455.00	872.50	7,327.50	6,817.00	510.50
8,302.50	685.00	8,987.50	8,295.00	692.50
10,299.50	1,654.50	11,954.00	11,018.00	936.00
4,064.00	311.00	4,375.00	4,007.50	367.50

SUMMARY OF ALLOWANCES PAID

No. Beneficiaries.	Counties	Amount Paid	Less Cancelled Cheques		Adjustments		Nett Amount
					Debits	Credits	
		$	$	$	$	$	$
33	Sault Ste. Marie	17,110	385	16,725	.....	75	16,650
23	St. Thomas	10,230	.....	10,230	.....	.....	10,230
24	St. Catharines	11,460	120	11,340	.....	175	11,165
29	Stratford	12,291	125	12,166	.....	90	12,076
805	Toronto	379,406	1,840	377,566	994	2,915	375,645
21	Welland	10,085	.....	10,085	.....	.....	10,085
16	Woodstock	8,780	85	8,695	.....	.....	8,695
44	Windsor	17,787	257	17,530	295	94	17,731
	Towns						
18	Brockville	8,697	45	8,652	.....	80	8,572
7	Gananoque	2,380	.....	2,380	.....	.....	2,380
7	Ingersoll	3,195	30	3,165	.....	40	3,125
4	Prescott	1,570	.....	1,570	.....	.....	1,570
6	St. Mary's	2,460	.....	2,460	.....	.....	2,460
12	Smith's Falls	4,850	30	4,820	.....	.....	4,820
7	Trenton	3,145	45	3,100	.....	40	3,060
10	Walkerville	4,490	.....	4,490	.....	.....	4,490
17	Indian Reserves	5,650	65	5,585	.....	20	5,565
							614,214
	Districts						
34	Algoma	14,210	.....	14,210	.....	.....	14,210
12	Kenora	5,350	70	5,280	.....	.....	5,280
37	Muskoka	15,315	20	15,295	.....	.....	15,295
16	Manitoulin	5,725	.....	5,725	.....	.....	5,725
51	Nipissing	29,824	210	29,614	.....	40	29,574
45	Parry Sound	19,464	90	19,374	.....	.....	19,374
15	Rainy River	4,115	35	4,080	.....	.....	4,080
63	Sudbury	24,625	.210	24,415	.....	.....	24,415
13	Thunder Bay	5,705	65	5,640	.....	.....	5,640
96	Temiskaming	37,358	355	37,003	.....	.....	37,003
	Province	.....	330	.....	.....	.....	.....
	" (beneficiaries without residence qualifications)				4,216	.....	4,216
	" (adjustments)	.....	.....	.....	375	.....	375
	Refund Account	.....	.....	.....	2,210	.....	2,210
	Province (credit cancelled cheques)	.....	.....	.....	.....	.....	330
4185		1,790,680	9,399	1,781,281	9,365	9,365	1,781,281

DURING FISCAL YEAR 1924-1925—*Continued*

Fifty Per Cent. Chargeable to Municipalities	Balance Outstanding 31st October, 1924	Amount Due by Municipalities	Amount Received from Municipalities	Amount Outstanding 31st October, 1925
$ c.	$ c.	$ c.	$ c.	$ c.
8,325.00	2,130.00	10,455.00	9,902.50	552.50
5,115.00	895.00	6,010.00	5,182.50	827.50
5,582.50	1,080.00	6,662.50	6,197.50	465.00
6,038.00	889.50	6,927.50	6,362.50	565.00
187,822.50	12,779.00	200,601.50	178,806.50	21,795.00
5,042.50	722.50	5,765.00	4,872.50	892.50
4,347.50	367.50	4,715.00	4,395.00	320.00
8,865.50	658.50	9,524.00	8,779.00	745.00
8,865.50	658.50	9,524.00	8,779.00	745.00
4,286.00	351.00	4,637.00	4,294.50	342.50
1,190.00	857.50	2,047.50	1,947.50	100.00
1,562.50	122.50	1,685.00	1,427.50	257.50
785.00	92.50	877.50	802.50	75.00
1,230.00	102.50	1,332.50	1,230.00	102.50
2,410.00	446.00	2,856.00	2,668.50	187.50
1,530.00	278.00	1,808.00	1,428.00	380.00
2,245.00	462.50	2,707.50	2,375.00	332.50
2,782.50	232.50	3,015.00	2,780.00	235.00
807,107.00	117,679.00 *Less 195.00	924,591.00	814,967.50	109 623 50
7,105.00				
2,640.00				
7,647.50				
2,862.50				
14,787.00				
9,687.00	50% unorganized	territory chargea	ble to Province.	80,298.00
2,040.00				
12,207.50				
2,820.00				
18,501.50		80,298.00		
2,108.00				
187.50		3,400.50		
1,105.00		*165.00		3,235.50
*165.00				
890,640.50	117,484.00	1,008,319.50	814,967.50	193,157.00

ALLOWANCES

Amount of appropriation		$1,800,000
Amount disbursed:		
Counties	$657,186	
Cities	935,366	
Separated Towns	30,787	
Indian Reserves	5,650	
Judicial Districts	161,691	
	$1,790,680	
Less cheques returned to Treasury for cancellation	9,399	$1,781,281
Unexpended balance		$18,719

Under the provisions of the Act, $807,107 of the amount disbursed has been charged to organized municipalities throughout the Province:

Counties	$326,010.00
Cities	463,076.00
Separated Towns	15,238.50
Federal Department of Indian Affairs	2,782.50
	$807,107.00

And, $974,174 of the amount is assumed by the Province representing—

50% of amount disbursed in organized Municipalities	$807,107
100% of amount disbursed in judicial districts	160,596
100% of amount disbursed in organized territory where one year's continuous residence had not been established at date of granting of allowance	4,591
50% of amount of refunds	1,880
	$974,174
Public accounts fot the year ending October 31st, 1925, show an expenditure on Mothers' Allowances of	$1,781,676

The difference of $395 is—

Requisition No. 350 dated March 24th, 1925, issued to refund a December allowance	$15.00
Amount of cancelled cheques not credited to the Commission's appropriation but merged into consolidated revenue	$380.00
	$395.00

Revenue Statement

Eight hundred and eighteen thousand five hundred and ninety-nine dollars and twenty-eight cents ($818,599.28) was deposited with the Provincial Treasurer in semi-monthly payments throughout the year, and credited to:

Counties		$337,940.00
Cities		458,074.00
Towns		16,173.50
Federal Department of Indian Affairs		2,780.00
Refund Account—		
Beneficiaries	$1,499.25	
Local Board (Halton Co.)	2.53	
D.S.C.R. (Ottawa)	1,380.00	
Workmen's Compensation Board	405.00	
Cancelled cheques	345.00	3,631.78
		$818,599.28

One hundred and nine thousand six hundred and twenty-three dollars and fifty cents ($109,623.50) outstanding at October 31st, 1925, is chargeable to:

Counties	$40,367.00
Cities	67,244.00
Towns	1,777.50
Indian Affairs	235.00
	$109,623.50

ADMINISTRATION.

Amount of appropriation	$88,925.00
Amount expended	71,397.87
Unexpended balance	$17,527.13

The cost of administration has decreased to 4 per cent.

CLASSIFIED REPORT OF INVESTIGATORS' WORK DURING THE YEAR NOVEMBER 1ST, 1924, TO OCTOBER 31ST, 1925.

Visited applicants who were out or had moved	2,760
Visits of supervision to beneficiaries	14,579
Visits of investigation to applicants	2,259
Other agencies visited	8,468
Total number of visits	28,066
Number of hours spent in clerical work	10,257
Total number of hours	33,876

THE SOCIAL VALUES OF THE MOTHERS' ALLOWANCES ACT AS OBSERVED BY THE INVESTIGATORS AFTER FIVE YEARS OF THE OPERATION OF THIS ACT

The important and difficult task of investigating applications for Mothers' Allowances, and of supervising the homes of beneficiaries under the Act, is carried on by seventeen faithful and devoted investigators, who are working under great handicaps. Their territories to be covered are large and travelling conditions often very bad, and the pressure of work is so great that it would not be surprising to find these workers discouraged and unhopeful. On the contrary, however, their reports, and their letters to headquarters show an enthusiasm for their work, and a faith in the benefits of the Mothers' Allowances Act to the children under their care and supervision that is inspiring. They have many opportunities in their work for personal service, and the families whom they visit come to look upon them as real friends. One investigator says: "Several mothers have spoken to me of the relief to their minds of having someone to visit them with whom they could talk over their problems. Sometimes it is a wayward girl or boy, or it may be financial worries, or health needs. I have often had a woman say to me 'do call again soon, I feel so much better since talking this over with you. That is one way in which I miss my husband so much.'"

And since these visitors to the homes of families in receipt of Mothers' Allowances have a special opportunity to see the results of this Act, it is interesting to hear from them what they consider to be its effects.

Improvement in Home Conditions

That the visitors find the allowance making happier homes and easier lives for its recipients is emphasized in their reports:

"Ten months ago the Investigator visited a home in which the mother was applying on the grounds of her husband's disability. The man, a case of locomotor ataxia, was mentally and physically unable to do anything to help the family in any way. While not a suitable patient for an insane asylum, he was subject to violent fits of temper which kept the children in constant dread. The mother was working out every day doing what she could to support the husband and seven children. Home conditions were deplorable. True, the family were in receipt of charity, but no attempt had been made to attack the causes of the family distress. Only three of the children were old enough to go to school, and these three attended very irregularly. The oldest, a boy of fourteen, was definitely feeble-minded, and not fit to be in the home at all.

"The allowance was granted on condition that the husband and the oldest boy be admitted to institutions. This has been done, and they are both more comfortable and better cared for than they could ever have been in their own home. The mother has been enabled to reduce her outside work to two hours' office cleaning a day. The children's teachers report an improvement in school attendance, and the whole atmosphere of the home is gradually becoming more wholesome and more attractive."

"When first visited one family was found living five miles from a village, away in the bush, over a very rough trail. Mother was fishing, shooting and trapping and acting as guide in summer to hunters, to support her family. The husband was suffering from acute cancer. Two-roomed log shack in which family of seven lived, two boys were found sleeping on the floor near the stove, the girls slept on shake-downs in the same room as their parents. After the allowance was granted, the family moved to a house one and one-half miles from village, where the children are now attending school quite regularly. The husband died one month after my first visit. There is now a great improvement in the home conditions, cleanliness and care of the children, and mother is now at home with them."

"Physically, I find that there is improvement in most of our families. I believe that the children are better nourished, as the mothers seem to be using better judgment in the selection of foods, as milk, cereals, vegetables, etc. I find that it is best to interest the children in the proper foods to eat, and I have found the diet charts prepared by the Provincial Board of Health are very useful. The children are interested in gaining weight and trying to keep up to normal."

"A family in a rural district were in dire distress, not enough clothes for decency and no sleeping accommodations other than an old mattress in the corner of the room. The interior of the home has been put in repair and cleaned, the children are well clad, attend school and Sunday school, and a decent standard of living has been attained."

"On the occasion of my first visit to this family in 1921, there was not a curtain on the windows or a quilt on the beds. Indeed what passed for a bed was simply a bundle of rags. There were eight children in the home, which was dirty beyond description. The children had been frowned down at school because of their frightful language. Even the mother's language was something to appal one. This woman was given instructions as to cleanliness, language, and the home education of her children. The change was far more rapid than

one could hope for. The mother changed residence, moving to a comfortable home. On my last visit both she and the home were the acme of neatness and cleanliness, nice curtains covered the windows and the house was nicely arranged and the children were neat and clean. The whole ensemble gave me the impression of an old coin newly polished. The clergyman informed me that both the manners and the appearance of the children had astonishingly improved and that they were taking their places with the other children. This mother has remarried and consequently is no longer on our list. But I consider this one of the most remarkable cases of social regeneration that I have ever met with."

"One mother, Mrs. C., is slowly but surely making a real niche for herself and family in the community in which she lives. Left a widow at the hour of birth of the seventh child, the eldest at that time not quite ten years of age, she was helped at the beginning of her widowhood by neighbours who made the mere shell of a house weather proof and comfortable, as far as good walls and roof were concerned, but it was left to Mrs. C. to make of the place a real home and this she is doing with great credit to herself and family. The children are being taught the pride of possession and the care of it. The garden is made to yield its full share of produce and helps materially in feeding this growing family. Two half days' work a week, outside the home, brings in the extra money needed and also many gifts of useful clothing for the children. Mrs. C. has the respect of the whole district in which she lives and into her tidy home gladly come neighbours of greater means who marvel at the way this mother, with the initial help of the allowance, and then her own thrift, keeps her children well fed, and "well fed" means healthfully but very plainly fed, neatly and comfortably clothed and so trained and under control that they are welcomed in any home in the district."

Educational Opportunity

The visitors comment particularly upon the fact that children who are in receipt of an allowance under this Act are given an opportunity for education and a training for their future citizenship which they could not have had without it.

"In one beneficiary's home there is a son who will complete his Honour Matriculation this year and who has expressed himself that as soon as he is teaching he will do his best to help the home. This boy has earned every cent that has been spent on his education and also his clothes since he was twelve years of age, by raising rabbits, white mice, pigeons, which he sells to different laboratories for research work, and during holidays works at anything at which he can earn."

"Improvement in school attendance is illustrated in one case of a new beneficiary. The children had been irregular at school but the thirteen-year-old girl of the home was the one who was the despair of her teachers. The mother was not very anxious that the child should be regular, as she was a help to her with the housework when at home. When being told that regular school attendance was compulsory, and upon the Investigator having monthly school attendance reports sent, this condition changed completely. The school reports are perfect and the girl hopes to take her entrance examination in June. At last visit of Investigator she said, 'it pays to be regular.' "

"Higher educational standards are given by the Mothers' Allowance, leading to advantageous positions to which the children of a widowed mother never would have been able to aspire without such aid. These children are not obliged to accept any job. They are being vocationally placed, many bright

students going into banks, Hydro-Electric and large financial corporations, where they will eventually become a power in the community, and mothers are fostering their own ambitions and the ambitions of their children with the steady assistance of Mothers' Allowance and occasionally a relative or friend is prompted to lend some aid when they see what is being accomplished by the Mothers' Allowance.

"The children between the ages of fourteen and sixteen are for the most part being kept at school, the result of which is that the child gets one or two years in the extension schools or high school. Mrs. Smith with her five children lives on a fifty-acre farm which was very much run down. The children are all very bright, the two oldest passed the entrance examination at the age of eleven years. The oldest girl is very anxious to be a teacher but the home is seven miles from a high school and her mother was not able to afford to pay her board in the town, or to pay the bus fare, either one of which would cost about $5 a week. A member of a local board became interested and has taken her into her home from Monday evenings until Friday noon and finds her a delightful companion who helps with the dishes and light housework in return for board, and attends the collegiate, and her standing is very high in all her classes. The girl would not have had this opportunity if it had not been that her mother is receiving the allowance. The son, seventeen years of age, is helping his mother run the farm, and works occasionally for the neighbours, and his ambition is to be able to take a short course at Guelph College."

"The school education of the children is also affected to their advantage. Our children must be regular in their attendance at school. We have found now and again that in spite of the vigilance of the attendance officer, children reach the 'teen age and are still in the lower grades, due to intermittent attendance at school, and the child's backwardness regarded at home as due to laziness or stupidity or a poor teacher. One lad now fifteen and in the senior third class is making satisfactory progress because since his mother became a beneficiary he has been attending school regularly. He is now considered a bright lad where he had formerly been considered the reverse."

"When I commenced this work for the Commission, I noticed that in many localities the School Attendance Act was poorly enforced. Children were staying away from school with very flimsy excuses or no excuse at all. Children in our families are now attending school regularly unless prevented by illness. Children between the ages of fourteen and sixteen, in most of our families, are remaining in school, thus giving a better preparation for their future lives. As children have special supervision from their teachers and also from the Commission, I notice that their school reports are steadily improving."

"From an educational standpoint, there is no doubt that many children have been enabled to secure a much better education owing to the fact that they have not had to be pushed out into employment in order to keep the home together. By explaining to the mothers that the earning capacity of an educated child is much greater than that of an uneducated one, many mothers do their utmost to keep their children at school. One mother has three boys, two of whom are now attending collegiate in the next town. These boys in the holidays and on Saturdays earn enough money to pay their street car fare to school and also to buy their books and most of their clothes. Their school reports are always good. Had it not been for the Mothers' Allowances Act, these boys would have had to earn their living but now their chances are the best for being good Canadian citizens."

"Of the many benefits to the family made possible through the payment of a Mothers' Allowance under the Mothers' Allowances Act, Ontario, none would seem more general or more marked than the increase in the regular school attendance of the children of school age, affording as it does, an opportunity for attending school where the school attendance had previously been neglected or was impossible. For example, a widow was living in a remote district some six miles from a school where the husband had been clearing a 200-acre bush, three acres of which were under cultivation at the time the father died, leaving the family in needy circumstances. Of the family of eight children, two were under school age, of the remaining six, the oldest boy of sixteen had never been to school, while the two girls, fourteen and fifteen years of age, had been to school the two previous years for four months of each school year, and the children of twelve years, nine years and six years had not attended school. Following the death of the father, the mother left the boy of sixteen, with the help of his cousin, slightly older, to continue to work on the small clearance and get out whatever wood possible, while she and the other children of the family moved to a suitable house with a two-acre garden near the village school where five children are attending school. The girl of fifteen does not make much progress, finding it hard to adapt herself and feeling the competition of the younger pupils. The other children are doing well, especially the girl of fourteen, who is employed each Saturday at seventy-five cents per day in the near village in order that she may have all the requirements for attending school."

"The Allowance brings relief and hope to the home of the better type, where sickness and misfortune have swept away the family resources, as in a family where the two older children had completed high school and on taking positions were not able to support the remaining four under sixteen years of age, but with their assistance and the granting of a Mothers' Allowance, it was possible to keep the children together and send them to school, so that at the age of sixteen one of these boys matriculated with first-class honours in every subject and the following summer worked as a labourer at heavy work in order that he might enter university."

"I am enclosing two letters, one from the son aged fourteen, the other from the daughter aged twelve, of one of the widows in my district. When I first visited this family in 1921, neither child had ever attended school. There was indeed no school in the district. After the case had been placed before the Inspector the Department was made to see the necessity of a school in this district and a building was accordingly erected. Five children now attend it. The enclosed letters will show the progress made by these children in so short a time."

(The letters enclosed by the Investigator in this report are remarkably well written for children who have had only two or three years schooling.)

"The results of the Act are seen in the lives of the older children of the beneficiaries who have been receiving the allowance for four years. Many of these children are now entering the industrial world with two or more years of high school education, thereby able to earn a larger wage and with a better outlook on life."

The Chance that is Given the Rural Family to Stay on the Farm

"One visitor has spoken in particular of the way in which the Mothers' Allowance has made it possible for the widow on a farm to remain there and keep the land for her sons.

"In the country areas where small payments have been made on farm and where labour to operate the farms is prohibitive with their small income, many widows have been enabled to keep their farms with the help of a small allowance. One mother with a family of ten children, a large mortgage, and many debts, has managed with an allowance of $40 to keep the family together and also to send one child on to collegiate. Two of the boys are working the farm and it will not be long until the family will be self-supporting. The children were not by any means robust and had it not been for the help they received no doubt would have had to leave the farm where their chances for health are much better, and there is little chance that the mother could have carried on."

Appreciation of the Allowance

That the families who are receiving this assistance fully appreciate the allowance is very evident from the Investigators' remarks:

"Mothers have time and time again expressed to me their great appreciation of the allowance and have said that it is a perfect god-send and that they would not have been able to keep their children and home together if it had not been for the allowance which they can depend on receiving regularly at the end of each month."

"Another case of a home being kept together under most trying circumstances was the case of Mrs. ——. The night the second baby was born the husband fell down stairs injuring his spine, so that from that time he has been a helpless invalid, practically paralyzed from the neck down. The allowance was given and after hospital treatment the husband returned home and the mother is keeping the home together with the $30 allowance. This would appear as a saving to municipality for had the man to remain in the institution, as he certainly would have to do had he no home, the cost would be much greater than at present and the mother certainly could not possibly earn her living and the two tiny babies'. This too would save institutional care for the children would really have to be taken care of in some way. Now they are a happy family as the husband remarked after Christmas: "Well, I think we are mighty lucky, lots are much worse off than we."

"One beneficiary who four years ago was going out to work every day but Sunday, from 7.30 a.m. to 8 p.m., taking her crippled daughter and her young babe with her, leaving the other two children to do the best they could, said recently: 'It is Heaven not to have to worry, and to be able to stay at home and give the children and the home proper care.' Her oldest boy is now sixteen and is entering the industrial world with two years' high school to his credit and is ambitious to go further by night classes."

STATEMENT REGARDING ALL BENEFICIARIES ON ALLOWANCE PAY LIST DURING THE YEAR ENDING OCTOBER 31st, 1925.

Number of beneficiaries on allowance list, October 31st, 1925	4,185
" " " " part of year but later cancelled	822
	5,007

At October 31st, 1925, there were 127 more beneficiaries on the allowance pay list than at the end of the previous year—an increase of 3.12 per cent.

Causes of Dependency.	On pay list, October 31st, 1925	On part of year later cancelled.	Number of children, October 31st, 1925.	Children of families paid part of the year.	Total
Death of father	3,389	639	10,245	1,594	11,839
Incapacitation: (a) insanity	114	25	365	77	442
(b) other causes	399	93	1,205	251	1,456
Desertion	170	38	414	88	502
Death of both parents(foster-mother)	113	27	271	67	338
	4,185	822	12,500	2,077	14,577

Total families, 5,007. Total children, 14,577.

Number of children under 16 years in these families:	Families	Children
Families of 1 child under 16 years and totally and permanently incapacitated father or child over 16 years	77	77
" 2 children under 16 years	2,418	4,836
" 3 " " 16 "	1,276	3,828
" 4 " " 16 "	693	2,772
" 5 " " 16 "	314	1,570
" 6 " " 16 "	140	840
" 7 " " 16 "	66	462
" 8 " " 16 "	17	136
" 9 " " 16 "	5	45
" 11 " " 16 "	1	11
	5,007	14,577

Beneficiaries in	No. of families on allowance list during the year.	Number of children	Average number of children per family.
Cities	2,426	6,623	2.73
Counties	2,020	6,127	3.03
Judicial districts	473	1,588	3.35
Towns	88	239	2.71
	5,007	14,577	

More than 12 per cent. of Cost of Allowances Due to Tuberculosis

Widow cases.—Number of beneficiaries on the allowance list during the year (November 1st, 1924, to October 31st, 1925) in whose case tuberculosis was the causative factor in the death of the husband.

On the pay list, October 31st, 1925	412	
On during part of the year, but later cancelled	80	
	492	
Amount paid to these 492 families during the year		$173,754
Number of children in these families		1,483
227 families with 2 children under 16 years	454	
129 " " 3 " " 16 "	387	
73 " " 4 " " 16 "	292	
33 " " 5 " " 16 "	165	
26 " " 6 " " 16 "	156	
3 " " 7 " " 16 "	21	
1 " " 8 " " 16 "	8	
492 families	Children, 1,483	

Incapacitation cases.—Number of beneficiaries on allowance list during the year whose husbands were totally and permanently incapacitated because of tuberculosis.

On the pay list, October 31st, 1925	108	
On during part of the year, but later cancelled	38	
	146	
Amount paid to these 146 families during the year		$41,108
Number of children in these families	448	
10 families with 1 child and incapacitated husband	10	
51 " " 2 children under 16 years	102	
37 " " 3 " " 16 "	111	
25 " " 4 " " 16 "	100	
14 " " 5 " " 16 "	70	
8 " " 6 " " 16 "	48	
1 " " 7 " " 16 "	7	
146 families	Children, 448	

Foster-mother cases.—During the year there were on the allowance list forty-three foster-mothers of children whose parents or parent had died of tuberculosis. (In twelve cases both parents, in eighteen cases the father, and in thirteen cases the mother.)

On the pay list, October 31st, 1925	34	
On during part of the year, but later cancelled	9	
	43	
Amount paid to these 43 families during the year		$13,620
Number of children in these families	99	
33 foster-mothers with 2 children under 16 years	66	
7 " " 3 " " 16 "	21	
3 " " 4 " " 16 "	12	
43 families	Children, 99	

Total families	681	
Total children	2,030	
Total amount expended		$228,482

(This is 12.82 per cent. of total amount of allowances paid during the year.)

INCAPACITATION CASES

Incapacitation cases on the allowance list at October 31st, 1925		512
" " part of the year, but later cancelled		118
		630
Causes of incapacitation:		
*Tuberculosis		146
*Mental (husband in an asylum)		138
Diseases of the nervous system and organs of special sense:		
Paralysis	72	
Epilepsy	15	
Other causes	24	
		111
Diseases of the heart and arteries		64
Diseases of the bones and joints:		
Arthritis	38	
Osteomylitis	4	
Other causes	3	
		45
Diseases of the kidneys, bladder and urinary passages		16
Locomotor ataxia		16

Venereal diseases	14
Cancer	14
Diseases of the respiratory system	14
Rheumatism	11
Blind and other complications	10
Diseases of the digestive system	8
Anaemia	8
Other causes	15
	630

*In cases of tuberculosis beyond the primary stage an allowance is granted while the husband is in a sanitarium. Cases frequently recover.

*Mental cases cease to qualify when husband leaves the asylum.

Number of children in all incapacitation families:	No. of Families.	No. of Children.
Families with 1 child under 16 years and totally and permanently incapacitated husband or child over 16 years	77	77
" " 2 children under 16 years	212	414
" " 3 " " 16 "	145	435
" " 4 " " 16 "	92	368
" " 5 " " 16 "	58	290
" " 6 " " 16 "	29	174
" " 7 " " 16 "	15	105
" " 8 " " 16 "	1	8
" " 9 " " 16 "	1	9
	630	1,880

CAUSES OF CANCELLATION

One of two children now 16 years of age or not at school	319
Beneficiary remarried	110
Should now be self-supporting	104
Unsatisfactory home conditions	75
Husband no longer totally and permanently incapacitated	44
Only one child or no children under 16 years with the mother	31
Now in possession of disqualifying equity in property	27
Now in possession of assets of a disqualifying amount	23
Beneficiary no longer resident in the Province of Ontario	20
Now in receipt of allowances from other funds	20
Beneficiary died	16
Husband no longer in an asylum	15
Incapacitated husband died and only one child under 16 years	9
Incapacitated husband no longer in wife's care and only one child under 16 years	4
False information at the time of application	3
Voluntary withdrawal	3
Address of beneficiary not now known	3
Residence of husband now known (desertion cases)	2
	828

CAUSES OF DEATH OF FATHER

Widow cases on the allowance list at October 31st, 1925		3,389
" " part of the year, but later cancelled		639
		4,028
Diseases of the respiratory system:		
Pneumonia	741	
Bronchitis and asthma	23	
Pleurisy	21	
Other causes	17	
		802
Tuberculosis		499
Diseases of the circulatory system		492
External causes:		
Accident	347	
Suicide	63	
Murder	8	
Other sudden deaths	1	
		419
Influenza		391

Diseases of the nervous system and organs of special sense:		
Hemiplegia	72	
Cerebral hemorrhage	51	
Meningitis	31	
Apoplexy	27	
Tumour of brain	20	
Epilepsy	10	
Other causes	88	
		299
Diseases of the digestive system:		
Appendicitis	105	
Ulcers of stomach and duodenum	45	
Peritonitis	36	
Tumour of the liver	9	
Cirrhosis of the liver	7	
Other causes	86	
		288
Cancer		241
Diseases of the kidneys, bladder and urinary passages		217
Typhoid		88
Blood poisoning		67
Anaemia		61
Diseases of the bones and joints		23
Venereal diseases		18
Alcoholism		8
Locomotor ataxia		7
Diphtheria		6
Smallpox		6
Scarlet fever		5
Other causes		91
		4,028

CAUSES OF INELIGIBILITY

Value of property or other assets disqualifies	78
Sufficient income to maintain the home	65
Applicant's husband or child over 16 years not totally and permanently incapacitated	59
Five years' desertion by the husband not established	44
Residence requirements not fulfilled	36
Only one child under 16 years in attendance at school	28
Unsatisfactory home conditions	24
In receipt of pension or allowances from D.S.C.R.	13
Children not with the mother	9
Applicant not a British subject	6
Applicant divorced or legally separated	6
Application withdrawn	6
Applicant in receipt of Workmen's Compensation grant	5
Foster-mother applications ineligible as children not orphans	4
Only one child under 16 years and incapacitated husband not in wife's care	4
Applicant's husband in prison	3
Applicant re-married	2
No proof of marriage	4
Incapacitated husband and one adopted child	4
	400

NATIONALITY BY BIRTH OF BENEFICIARY

British:		
Canadian	3,390	
English	862	
Scotch	233	
Irish	114	
Other British	44	
		4,643
American (U.S.A.), naturalized		92
Russian, naturalized		76
Italian, "		48
Polish, "		36
Finnish, "		29
German, "		19
Other foreign born, naturalized		64
		822
		5,007

NATIONALITIES BY PERCENTAGES

British:		
Canadians	67.7	
Other British	25.0	
		92.7
Others of foreign birth		7.3
		100.0

NAMES OF INVESTIGATORS AND THEIR DISTRICTS

The Commission has seventeen Investigators distributed throughout the Province. The territories assigned to them are as follows:

1.	Toronto	Miss E. W. Rogers Mrs. A. M. Fraser Mrs. N. A. O'Connor
2.	Hamilton, Wentworth, Halton	Miss E. M. Storms
3.	Ottawa	Miss M. F. Bennetts
4.	Huron, Middlesex, Oxford, London, Woodstock, Ingersoll	Mrs. R. M. Graham
5.	Essex, Kent, Chatham, Lambton, Elgin, Windsor, Sarnia, St. Thomas, Walkerville	Miss H. Bapty
6.	Brant, Norfolk, Haldimand, Lincoln, Welland City, Niagara Falls, Welland County, St. Catharines, Brantford	Miss C. L. Steward
7.	Waterloo, Perth, Bruce, Wellington, Galt, Kitchener, Stratford, St. Mary's, Guelph	Miss A. Hindley
8.	Dufferin, Simcoe, Grey, Owen Sound	Miss A. Lawrence
9.	Victoria, Haliburton, Muskoka, Parry Sound, Nipissing, North Bay, Sturgeon Falls	Mr. A. G. Bruce
10.	York, Ontario, Peel, Oshawa	Miss E. H. McMullen
11.	Durham, Northumberland, Peterborough County, Peterborough City, Prince Edward County	Miss J. M. Burry
12.	Trenton, Belleville, Hastings, Lennox and Addington, Frontenac, Leeds, Kingston, Brockville, Gananoque	Miss M. M. Abernethy
13.	Grenville, Dundas, Stormont, Glengarry, Prescott County and Town, Russell	Mrs. B. Genin Preston
14.	Rainy River, Kenora, Sudbury, Algoma, Manitoulin, Temiskaming, Thunder Bay, Port Arthur, Fort William, Sault Ste. Marie	Miss M. J. D. Kennedy
15.	Lanark, Renfrew, Smith's Falls, Carleton	Mrs. H. C. Brodeur

Miss Dorothy Farncomb.....Chief Investigator
Miss Elizabeth King.....Senior Investigator.

LOCAL BOARDS

Counties	Secretaries	Address
Brant	Mrs. Wm. Kerr	St. George.
Bruce	Mrs. I. Shoemaker	Paisley.
Carleton	Rev. J. H. Woodside	Kenmore.
Dufferin	Mrs. W. C. Dahl	Orangeville.
Dundas	Mrs. James Hughes	Chesterville.
Durham	Mrs. A. L. Nichols	Bowmanville.
Elgin	Mrs. B. B. Graham	Rodney.
Essex	Mr. W. P. Coyle	Sandwich.
Frontenac	Mrs. J. L. F. Sproule	Westbrook.
Glengarry	Mrs. A. H. Robertson	Maxville.
Grenville	Mrs. J. A. Connell	Algonquin.
Grey	Mrs. Wm. Dingwall	Hopeville.
Haldimand	Mrs. Joseph Peart	Cayuga.
Haliburton	Mr. H. B. Feir	Haliburton.
Halton	Mr. Donald McIntyre	Georgetown.
Hastings	Mr. W. H. Nugent	Shire Hall, Belleville.
Huron	Mr. A. T. Cooper	Clinton.
Kent	Mrs. Catherine McVean	Dresden.
Lambton	Mr. Fred Eastman	Arkona.
Lanark	Mrs. J. K. Kelly	Almonte.
Leeds	Miss F. E. Lyons	Portland.
Lennox and Addington	Mr. W. G. Wilson	Napanee.
Lincoln	Mr. Wm. Richardson	Merritton.
Middlesex	Miss Mary Grant	110 Dundas St., London.
Norfolk	Mrs. Annie L. Buck	Port Rowan.
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Secretary to Commission,

John M. McCullough,

46 Richmond Street West,

Toronto, Ont.

ANNUAL REPORTS

OF THE

Department of Public Highways

ONTARIO

1923, 1924, 1925

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To His Honour Henry Cockshutt,
Lieutenant-Governor of the Province of Ontario.

May It Please Your Honour:

I herewith beg to present for your consideration the Report of the Department of Public Highways, relating to Highway Improvement in the Province of Ontario during the years 1923, 1924, and 1925.

Respectfully submitted,

Geo. S. Henry,
Minister of Public Works and Highways.

To the Honourable Geo. S. Henry,
Minister of Public Works and Highways,
Ontario.

Sir,—I have the honour to submit the Report of the Department of Public Highways for the years 1923, 1924, and 1925, having special reference to works on the Provincial Highway System; work carried on by the several counties of Ontario, and by township councils.

Reference is also made to the operation of the Motor Vehicles Act; and to other services within the purview of the Department of Public Highways.

I have the honour to be, Sir,

Yours respectfully,

S. L. SQUIRE,
Deputy Minister of Highways.

Parliament Buildings, Toronto, April 26th, 1926.

Bituminous penetration pavement near Holland Landing on Toronto-Severn Provincial Highway.

Highway Improvement in Ontario

Report by S. L. Squire, Deputy Minister

The present era is remarkable as one of rapid and convenient travel, transportation and communication. In this it is distinguished from all preceding ages. Invention has shown more marked advance in this phase of modern civilization than in any other. Every refinement has been sought, and vast expenditures have been made on steam and electric railways, ocean and lake steamship lines, harbours and canals, telephone, telegraph and cable and wireless services. All these have not lessened but rather have increased the need for better highways, and the demands for their improvement are accumulating with marked intensity. The motor vehicle has become a necessity for the transaction of business.

There are, in the nature of things, more restrictions on the social activities of those who live in the rural districts than on those who live in towns, due to the distances the residents must travel if any considerable number are to meet together.

In the smaller towns, social life is more or less dependent upon the participation of those who live in the surrounding farming community and anything that prevents the country people from joining with the town in social affairs is a deterrent to a healthy community intercourse. A certain amount of social intercourse is a necessity to all people and in rural communities it is particularly salutary to the health and happiness of the people that reasonable opportunities be presented for social gatherings. If our highways are well kept and comfortable to travel at all seasons of the year, that will do much to encourage frequent social gatherings and the whole life of the community will respond to the interchange of ideas and experience that will thus be obtained.

Highway improvement also has an important bearing on the educational opportunities of the children who live in the country. They should have as good an opportunity for education as offered to children in the towns, and, indeed, the solution of the problem of furnishing an adequate supply of food stuffs to the nation depends upon the proper education of the children in the rural communities.

While the various social and educational aspects of the rural highway problem are of great importance, they are less so than is the transportation phase. Highways must be considered as important links in the transportation system of this Dominion and as such it is vital that they be maintained in usable condition throughout the year. In some communities serviceable roads may be nothing more than well kept earth roads; others may furnish traffic requiring a gravel or stone road, or roads of a higher degree of durability such as cement concrete or asphaltic concrete. No matter which may be required, our highways are a part of the equipment for the transaction of business and any reasonable expenditure of money in road improvement is justifiable as a matter of enlightened public policy.

From social, educational and transportation standpoints, then, it is apparent that money expended for highway improvement is a good investment. Such

an expenditure, however, should be made only after a careful study of the factors that will have a bearing on the adequacy of the resulting road system. Haphazard expenditures can never produce results of commensurate value.

Our highways are now utilized for both business and pleasure purposes by great numbers of citizens and assume an importance that has rapidly increased these past few years.

A few years ago the traffic on our highways was purely local, but with their improvement as necessitated by the advent of the motor car, a large number have now to take care of through motor car traffic and of commercial motor truck and bus traffic. The latter two classes of traffic appear to have no limitations as to distance travelled and will greatly increase in volume as the condition of our highways are improved.

Concrete pavement, Provincial Highway, Paris to Brantford.

With the development of the motor car and truck traffic, the condition of these thoroughfares became of more than local interest, resulting in the concentration of authority in the county, rather than in the township, while finally, the Province had to step in and assume authority in the administration of our heavily travelled highways.

The trend of highway legislation in Ontario therefore has been toward a three-fold classification and which has been evolved in the following manner:

(1) Local or Township Roads, each carrying the traffic, or little more than the traffic, which is created by the farms adjoining the road; such roads controlled by and at the expense of township councils, aided by a Provincial subsidy of 30 per cent. on the expenditure made on road improvement and 50 per cent. on the salary of a road superintendent.

(2) County Roads, being the market or intercounty roads, such roads are controlled by and at the expense of the county councils, aided by a Provincial subsidy of 50 per cent.

(3) Provincial Highways, being the roads between important cities and other terminal points, under the control of the Department of Public Highways of the Province toward the cost of which the Province pays 80 per cent., the remaining 20 per cent. being a charge against the county. Adjacent to cities, the cost is borne in the proportion of 60 per cent. by the Province, 20 per cent. by the county and 20 per cent. by the city.

Road improvement in the Province during the past three years has been systematically carried out, with the result that at the end of 1925 a large additional al mileage of improved roads of all types has been completed. Not only was a substantial programme of construction on the Provincial Highway System carried out, but the work of townships and counties on the roads under their respective jurisdiction was marked by improvement in the quality of the work. While there is still room for improvement in some counties, the work has indicated that the municipalities have a clearer conception than before of the relationship between cost and actual results as well as the difference between a temporary job and a lasting improvement.

The mileage of roads with respect to classification in that part of the Province under county organization is now as follows:

Provincial Highways (ordinary)	1,506.3	miles
Provincial Suburban Highways	355.0	"
Total Provincial Highways	1,861.3	"
County Roads (ordinary)	7,285.7	"
County Suburban Roads	693.3	"
Total County Roads	7,979.0	"
Township Roads	43,959.0	"
Other Roads (Special Commissions)	51.0	"
Total mileage of roads in the organized Counties	51,989.0	miles

The investment which is being made in our highways systems is annually mounting and will, if continued, reach a total greater than for any other public work. That this investment is justified from economic and national viewpoints most citizens agree.

The annual increased investment in motor cars and the maintenance bill on these affords an economic problem worthy of the consideration of all Ontario citizens who are interested in finance.

Road construction and maintenance affords a problem which challenges the thought of the engineer, the contractor and the tax payer. Ontario's roads in their present improved condition are saving the road user at least twice their entire cost annually. Experiments have been made and records kept of operating costs of motor cars on unimproved roads and improved highways. The State of Kentucky places the saving in car operation at two-and-a-half cents per mile.

If two-thirds of Ontario's motor mileage is made on improved highways (experts claim 80 per cent. is made on these roads) the annual summer saving would be at least $20,000,000 on the basis of present use.

This government believes that they are the custodians of economic responsibility of the taxpayer and in view of the marked savings effected, consider they

have been acting in the interest of all Ontario citizens by pursuing an active progressive road building policy.

The problem of making the roads safe has been given careful consideration. Their improvement and the increased use made of them by the growing number of motorists makes the possibility of accidents much greater.

This department is responsible for the policing of the highways and employs a special corps of officers for this purpose. The chief purpose of such policing is to make the highways safe, to check reckless driving and to assist motorists who may need assistance or direction. Their work is to popularize the use of the road, rather than penalize the user. "Making Ontario Highways Safe" is a Departmental slogan, and the fact that for the past three years there have

Concrete pavement north of Puslinch on Hamilton-Guelph Provincial Highway.

been less motor accidents on Ontario roads in proportion to use than on the roads of any other province or state on this continent speaks eloquently for the policy adopted.

The tourist finds much in Ontario to attract him and with the completion of a further mileage of improved roads, more and more tourists will be found using them.

Some time when making a summer trip on Ontario's roads check up the number of cars bearing foreign license plates. Last year more than 2,000,000 American cars used Ontario's roads.

Improved farms, freshly painted homes, neatly kept front lawns, paved streets in our towns and villages—these and much more can be credited to the progressive highway policy pursued by the Highway Department under the supervision of the Honourable Mr. Henry, Minister of Public Works and Highways.

Report on Municipal Roads

Report upon the work of the Municipal Roads Branch for the years 1923, 1924 and 1925

ROBT. C. MUIR, Engineer of Municipal Roads.

COUNTY ROADS

Provincial aid to counties on road improvement is given through County Road Systems, under the Highway Improvement Act.

The Highway Improvement Act was initiated in 1901, when an appropriation of one million dollars was made by the Provincial Government with a view to aiding the construction of county roads; the Provincial subsidy being 33⅓ per cent.

The Highway Improvement Act has for several years been in a stage of transition with respect to subsidies due to the changing character of traffic on our roads, to their growing importance, and the consequent need for a re-

A clear vision is essential at curves on all county roads.

adjustment of road laws, with the result that the Province to-day is paying 50 per cent. of the expenditure made on county roads. Laws require certain experimental periods in which to fully develop them to meet all needs and conditions. Ontario has received a gratifying measure of success in this regard.

Since the passing of the Highway Improvement Act, and to the end of 1925, a total of $66,102,641.89 has been expended on construction and maintenance of county roads, of which the Province has contributed $29,359,266.82. This includes the county expenditure of 1925, on which the Provincial subsidy was paid in 1926.

A system of county roads has been established in each of the thirty-seven counties of the Province, although there are a few instances where only the more densely populated section of a county is included in the County Road System.

The length of the County Road System at the end of 1925 amounted to approximately 7,979 miles, being about 15.3 per cent. of the total road mileage in the area covered by the County Road Systems involved.

The following table shows the mileage of the various types of road surfacing laid, and the bridges built on the County Road System to the end of 1925:—

Gravel	5,691 miles.
Waterbound Macadam	1,756 "
Bituminous Macadam	202 "
Cement Concrete	151 "
Asphaltic Concrete	57 "
Brick	2 "
Total	7,859 miles.
Bridges over 10-foot span	1,943
Concrete slab culverts	4,089

Probably the most noticeable feature in county road work within the past few years over the early stages of the system has been the construction of a substantial mileage of the more permanent types of surface, such as bituminous macadam, asphaltic concrete, and cement concrete. In many counties there are certain roads on which traffic has increased in volume to such an extent that maintenance costs of gravel and stone roads have reached a point where economy necessitates the use of surfaces which entail a greater initial expenditure, but which, on account of the better service rendered, will prove more economical in the end. With the exception of the counties of York, Waterloo, and Wentworth, which had laid approximately 10 miles of pavement, no permanent paving was done prior to 1918.

In addition to constructing permanent pavements, many counties have devoted much attention to grade reduction, and to the elimination of dangerous corners and railway crossings, and many miles of original grade have been widened to meet the demands of present day traffic. The majority of the timber bridges and culverts are now replaced with more permanent structures. Approximately 130 permanent bridges and 300 concrete slab culverts have been erected, and 2,700 pipe culverts of various sizes have been laid annually during the past few years on the County Road System. In addition, approximately 1,400 miles of gravel and macadam roads have been re-surfaced annually and maintained in good condition.

Public Safety on Highways

Our highways are intended for the travelling public and every reasonable means should be used to ensure safe passage over them. The better the pavement the more important it is to give attention to the safety of the travelling public, for the better pavement will naturally occasion a higher speed; hence the more dangerous will become any defects in the road itself, such as ruts along the shoulder. There is also a greater necessity for clearer vision at road and railway crossings.

Maintenance

As will be observed from the appendices to this report, that a large percentage of the expenditure on county roads is for maintenance; and rightly so—unless there be ample provision for the protection of the investment made in previously constructed roads (deterioration of which is inevitable under the drastic effects of present day traffic), it would be unwise for counties to continue constructing roads. But most counties are looking carefully to

this important problem of maintenance, giving it first consideration. When funds for upkeep have been suitably provided, any surplus moneys are applied to the work of further construction.

Road Accounting

With a view to establishing a uniform system of keeping road accounts, the Department has prepared and supplied suitable forms to the municipalities and is co-operating to the fullest extent with the municipal officials in creating a satisfactory system. It is essential that proper records be kept of the expenditures in order to build up an efficient organization. The services of the staff are at the disposal of the municipal officials at all times.

A county road of gravel construction well maintained.

Methods of Carrying on Work

Prior to 1925, the work on the county roads in a few counties was carried out by the township organization, that is, each township established a little system of county roads of its own. The expenditure within that township was met through the county books entirely by the local municipality irrespective of what other townships were doing. This manner of conducting county road operations was permitted in the early days of county road work as a stepping stone to sounder principles of management and better-balanced administrations. In these counties working on the township system, the arrangement was little more than a combination of loose parts trying to function on a business basis without working in unison or to any set purpose. Naturally there was little progress under such conditions, and as years elapsed it was difficulty to see much actual road improvement, although considerable sums of money were being expended annually.

During the year 1925, County Road Systems throughout the Province underwent a certain amount of revision and standardization. All counties are now working together on a more uniform system of county road financing and administration and management, and are conducting their road affairs on an economical, business-like, and progressive basis.

Revision of County Road System

During 1925 the county road mileages have been revised and co-ordinated. Roads which served local traffic, largely, and which were not of sufficient importance to be retained under county jurisdiction were reverted to the townships in order that they might receive local supervision and care. As county roads many of them had received very little attention. Other roads which, for some unknown reason, had been overlooked, although carrying a considerable volume of traffic but could not be classed as local, were added to the system.

By means of systematized traffic studies, and by numerous sittings of the Highways' Advisory Committee in many centres throughout the Province, a clearer knowledge than previously had been possessed, was acquired of the importance of intercounty communication and of the relationship between each county system and its neighbouring system.

Maps were prepared setting forth what appeared to be the concensus of opinion as to what roads should be considered of more than local importance. The maps were submitted to the county councils and, before adoption, all changes and departures from the old system were thoroughly investigated and discussed.

The result is a more practicable, a more systematic and a more homologous system of secondary roads throughout the Province than has ever before been selected and established to undertake the gigantic problem of maximum service to traffic at minimum cost.

County Road Committee

A feture of recent legislation is the limiting the size of the county road committee appointed by the county council to not more than five members. This provision has as its aim an improvement in the efficiency of these advisory and administrative bodies. Where a county road committee consisted, as many of them did in the past, of a dozen or fifteen members, or perhaps of the entire county council, it was much too unwieldy to be of any material service to the county. The most able and efficient county road committees that we have had in the Province consist of three members only, and it is felt that a membership of three is quite adequate. But, having regard for the size and extensive mileage of roads of some counties the upper limit has been placed at five.

County Aid to Urban Municipalities

Prior to the 1924 legislation, county aid to urban municipalities not separated from the county was a mater of negotiation between the urban municipality and the county, with the result that some counties treated the local municipalities more generously than did other counties. The 1924 and 1925 legislation places all municipalities on the same basis, and now the county assumes the cost of the central 20-foot strip of roadway through urban municipalities not separated from the county on streets which are connecting links of the County Road System. The cost of the excess width over 20 feet and other special work must be borne by the urban municipalities. Provision is also made whereby the county must refund to the urban municipality, in the case of a town 50 per cent. of the amount

the town pays into the county for county road purposes and in the case of a village 75 per cent. The Province contributes 50 per cent. of the expenditure made by the county in or to the urban municipality.

1923 Expenditure

The expenditure on the County Road System in 1923 was as follows:—

Construction	Total Expenditure	Provincial Grant
Provincial County Roads	$1,738,563.67	$1,043,138.23
County Roads	3,542,086.84	1,416,834.70
Total Construction	$5,280,650.51	$2,459,972.93
Maintenance		
Provincial County Roads	$ 547,031.77	$ 328,219.05
County Roads	1,575,827.68	630,331.09
Total Maintenance	$2,122,859.45	$ 958,550.14
Summary		
Total Construction	$5,280,650.51	$2,459,972.93
Total Maintenance	2,122,859.45	958,550.14
Total Expenditure	$7,403,509.96	$3,418,523.07

The work on which the foregoing expenditures for construction were made included the following:—

Grading	607.30 miles
Gravel	274.04 miles
Waterbound macadam	175.58 "
Cement concrete	23.50 "
Bituminous macadam	27.36 "
Asphaltic concrete	16.72 "
Total surfaced	517.20 miles

Bridges over 10-foot span	180
Concrete slab culverts	414
Pipe and tile culvert	2,217
Tile underdrains	10,988 rods

1924 Expenditure

The expenditure on the County Road System in 1924 was as follows:—

Construction	Total Expenditure	Provincial Grant
Provincial County Roads	$1,687,890.75	$1,014,734.47
County Roads	2,886,808.47	1,154,724.38
Total Construction	$4,574,699.22	$2,169,458.85
Maintenance		
Provincial County Roads	$ 660,808.61	$ 394,485.16
County Roads	1,625,943.79	650,377.49
Total Maintenance	$2,286,752.40	$1,044,862.65
Summary		
Total Construction	$4,574,699.22	$2,169,458.85
Total Maintenance	2,286,752.40	1,044,862.65
Total Expenditure	$6,861,451.62	$3,214,321.50

The work on which the foregoing expenditures for construction were made included the following:—

Grading		523.55 miles
Gravel	344.85 miles	
Waterbound macadam	184.76 "	
Cement concrete	24.49 "	
Bituminous macadam	27.24 "	
Asphaltic Concrete	10.72 "	
Total surfaced	592.06 miles	

Bridges over 10-foot span	104
Concrete slab culverts	297
Pipe and tile culverts	1,781
Tile underdrains	7,590 rods

1925 Expenditure

In 1925, legislation was passed establishing one class of county roads, and providing for a straight Provincial subsidy of 50 per cent.

The expenditure on the County Road System in 1925 was as follows:—

Construction	Total Expenditure	Provincial Grant
County Roads	$4,559,736.39	$2,230,580.79
Maintenance		
County Roads	$2,048,694.65	$ 992,097.31
Total Expenditure	$6,608,431.04	$3,222,678.10

During the year 1925, it was deemed advisable to revise the County Road System throughout the Province, with the result that certain roads were struck off the system. On many of these roads struck off the system the county had made an expenditure towards which the Province contributed 40 per cent. and which is included in the above expenditures.

The work on which the foregoing expenditures for construction were made included the following:—

Grading		537.80 miles
Gravel	365.08 miles	
Waterbound macadam	201.71 "	
Cement concrete	21.81 "	
Bituminous macadam	22.77 "	
Asphaltic concrete	15.92 "	
Total surfaced	627.29 miles	

Bridges over 10-foot span	129
Concrete slab culverts	301
Pipe and tile culverts	1,696

Among the special features of road improvement effected during the year (1925) the following works may be mentioned.

BRANT COUNTY

Grade reduction and widening of a hill south of the village of Oakland on the Mount Pleasant Road. The material was handled by steam shovel and large cuts and borrow pits were required to make the fill. The nature of the soil was such as to require rip-rapping of the ditches.

BRUCE COUNTY

Bridge construction was a chief feature in 1925, and included the following: one 50-foot span, two 80-foot spans, two 24-foot spans and two 14-foot span bridges, all of reinforced concrete construction.

The road surfacing work consisted of gravelling thirty-eight miles of road, crushed gravel being used and applied twelve to sixteen feet in width for a depth of three to six inches. The roads were graded to a width of 26 feet prior to the laying of the gravel.

CARLETON COUNTY

The Fitzroy Bridge consisting of two 105-foot spans and 20-foot roadway was completed. The design is concrete abutments with steel superstructure. One 38-foot span concrete bridge with 18-foot road was also constructed. In addition, 12.5 miles of gravel roads were constructed, varying

Brant County
County Road under construction. Cobblestone gutter built to protect shoulder.

in width from nine to eighteen feet with a depth of four to ten inches and laid on a grade twenty-four to twenty-eight feet in width.

ESSEX COUNTY

Nine miles of cement concrete pavements 18 feet wide were laid; four miles of which were laid on Division Road, being the road running northerly from the town of Kingsville and connecting with the Provincial Highway; four miles on the Windsor-Amherstburg Road, northerly from the town of Amherstburg; and one mile on the Tecumseh Road, easterly from the village of Belle River.

Approximately fifteen miles of road were graded to a width of 28 feet and two and a half miles of road gravelled.

GREY COUNTY

Approximately ten miles of gravel roads were constructed varying in length from one mile to four and a half miles, eighteen feet in width and eight inches in depth. In addition, approximately thirteen miles of road were graded to a width of 28 feet. Also, two sixty-foot span and three twenty-foot span concrete bridges were built.

HALDIMAND COUNTY

Approximately 39 miles of stone road were constructed to a width of 10 feet and six to eight inches in depth and four miles of road graded to a width of 24 feet. In addition two 16-foot concrete slab bridges 28 feet wide were built.

HURON COUNTY

Fourteen miles of road were graded to a width of 28 feet, and approximately 13 miles of road gravelled to a width of 20 feet at a depth of three to ten inches. In addition, one 25-foot span, four 20-foot span, and four 14-foot span concrete bridges were built, varying in width from 28 to 40 feet.

KENT COUNTY

On the Chatham-Wallaceburg Road, nine miles of road were graded to a width of 28 feet and surfaced with gravel 16 feet in width at a depth of five inches. This provides a safe and comfortable road for travel between the two mentioned towns at all seasons of the year.

Concrete pavement construction 18 feet wide consisted of three miles on the Chatham-Charing Cross Road and short stretches in the urban municipalities of Wallaceburg and Ridgetown.

The completion of Prairie Siding Bridge at a cost of $114,442.82. This is the largest undertaking of this nature in this part of the Province and consists of a bascule double-leaf lift span, 115 feet centre to centre of trunnions, two approach spans of 158 feet and 98 feet. The roadway is 18 feet clear and the lift span is electrically operated. The total length of the bridge is 379 feet.

LAMBTON COUNTY

The Pinery Bridge consisting of one 150-foot span with concrete abutments and steel superstructure was completed at a cost of $22,308.07. In addition, two 24-foot spans and one 18-foot span bridges of concrete and steel design were built. Also approximately eight miles of road were graded to a width of 26 feet and approximately 12 miles of road surfaced with stone and gravel 12 feet in width.

LANARK COUNTY

Four miles of bituminous macadam road 16 feet wide were constructed, asphalt being used as a binder. In addition, approximately 9.25 miles of road were graded to a width of 28 feet, and 2.75 miles of waterbound macadam road laid 16 feet wide.

The Dalhousie Lake Bridge consisting of two 106-foot spans, with 18-foot roadway, was completed at a cost of $24,029.62.

LEEDS AND GRENVILLE COUNTY

The county constructed 0.56 miles of concrete pavement, 18 feet wide, in the village of Kemptville at a cost of $12,902.70.

In addition, 9.70 miles of road were graded to a width of 24 feet, and 8.75 miles of ten-foot waterbound macadam road were built and surface treated with asphaltic oil.

One 54-foot span and one 30-foot span bridge of concrete and steel design were built.

LINCOLN COUNTY

One 70-foot span and one 30-foot span bridge of concrete and steel design were built.

The work throughout the county consisted chiefly in general maintenance for the most part treating the existing macadam roads with asphalt.

HURON COUNTY
A well built and maintained gravel road.

NORFOLK COUNTY

Approximately 16 miles of road were graded to a width of 24 feet and eighteen miles of road were gravelled to a width of 14 feet. In addition, one 30-foot span and one 18-foot bridge of reinforced concrete construction were built.

ONTARIO COUNTY

Nine miles of road were graded to a width varying from 24 to 28 feet. In addition, two 40-foot and one 12-foot span bridges of reinforced concrete construction were built.

OXFORD COUNTY

Approximately 21 miles of road were graded to a width of 24 feet and thirty miles gravelled to a width of 15 feet. In addition, one 26-foot reinforced concrete bridge was built.

PEEL COUNTY

Eighteen miles of road were graded to a width of 24 feet and gravelled to a width of 12 feet. In addition one 32-foot span, two 20-foot span and five 14-foot span bridges of reinforced concrete construction were built.

PRINCE EDWARD COUNTY

Six miles of road were graded to a width of 24 feet and 5.50 miles of waterbound macadam road built and surface treated with oil.

PRESCOTT AND RUSSELL

Forty-two miles of road were graded to a width varying from 24 to 28 feet and 25 miles surfaced with waterbound macadam ten to fourteen feet in width.

RENFREW COUNTY

Fourteen miles of road were graded to a width of 24 feet and surfaced with gravel 10 to 16 feet wide. In addition, one 33-foot span and one 18-foot span bridges of reinforced concrete construction were built.

SIMCOE COUNTY

One 80-foot span steel truss bridge, 16-foot roadway, was built. Also seven bridges varying in span from 15 to 40 feet with 20-foot roadway of concrete design were built. In addition, 12 miles of road were graded to a width of twenty-four feet and 15 miles gravelled eighteen feet wide.

STORMONT, DUNDAS AND GLENGARRY

Two miles of bituminous macadam surface 16 feet wide were built, asphalt being used as a binder; also one-half mile of amiesite surface was laid in Winchester village. In addition, 25 miles of waterbound macadam and nine miles of gravel road, 10 to 16 feet wide, were laid. Two bridges of reinforced concrete construction, one 16-foot and one 20-foot span were built.

VICTORIA COUNTY

One-half mile of asphalt concrete surface 20 feet wide was laid in the hamlet of Little Britain. In addition, 5.15 miles of road were graded to a width of 28 feet and surfaced with gravel 16 feet in width. Three 20-foot span bridges of reinforced concrete construction, 24 to 28 feet wide, were built.

WATERLOO COUNTY

Three and one-half miles of concrete pavement, eighteen feet wide, were laid and 9.60 miles of road graded to a width of 30 feet.

WELLAND COUNTY

Four miles of road were graded to a width of 24 feet and surfaced with waterbound macadam ten feet wide. In addition, paving of an extensive nature was commenced in the villages of Fort Erie and Chippawa, toward the cost of which the county purposed contributing $90,000.

WELLINGTON COUNTY

A little over one mile of concrete pavement 20 feet wide was laid, 0.90 of which was laid in the hamlet of Hillsburg. In addition, $76,772.57 was paid to the urban municipalities of Harriston, Arthur, and Fergus for work done on connecting links of the County Road System within these municipalities. The nature of the work being a concrete pavement in the case of the first two mentioned municipalities and a concrete base with an asphaltic concrete top in Fergus.

Bridge construction consisted of two 20-foot span and five smaller span bridges with 20 to 26 feet roadway.

WENTWORTH COUNTY

Twelve miles of road were graded to a width of 24 to 28 feet and ten miles of waterbound macadam surface laid 12 to 16 feet wide, together with 5 concrete slab culverts and 17 pipe culverts. In addition, two 14-foot concrete slab bridges were built.

Wentworth County
Ten-foot cement concrete pavement with 3-foot cold mix shoulders.

GENERAL

The work in the remaining counties and other work of the abovenamed counties consisted chiefly in reshaping and maintaining the existing roads, building concrete box and pipe culverts and otherwise preparing for future work.

COUNTY ROAD MILEAGE AND EXPENDITURE

From inception of County Road Systems up to December 31st, 1925, Provincial Subsidies on 1925 expenditure being paid in 1926.

County	Year of Establishment of System	Road Mileages			Total Approved Expenditure to end of 1925	Total Government Grant
		County Roads	County Suburban Roads	Total		
Brant	1917	79.4	23.1	102.5	1,186,978.29	585,624.74
Bruce	1917	304.0	....	304.0	1,309,680.94	644,857.19
Carleton	1909	153.0	68.0	221.0	4,302,276.11	1,944,060.36
Dufferin	1918	130.0	....	130.0	640,602.54	285,982.30
Elgin	1917	203.8	20.2	224.0	1,276,131.78	562,351.48
Essex	1916	174.0	45.0	219.0	2,939,652.90	1,414,333.88
Frontenac	1907	107.5	39.5	147.0	800,780.55	334,381.25
Grey	1918	221.5	45.5	267.0	1,796,627.15	876,710.60
Haldimand	1911	126.0	....	126.0	1,379,147.62	588,431.09
Halton	1907	118.5	....	118.5	1,507,471.64	660,715.09
Hastings	1904	374.7	5.3	380.0	1,798,612.99	772,165.95
Huron	1917	362.0	....	362.0	1,284,994.33	579,231.89
Kent	1917	215.0	12.0	227.0	2,129,338.24	1,061,119.82
Lambton	1918	247.0	8.0	255.0	1,216,044.44	559,024.59
Lanark	1903	202.5	6.5	209.0	1,499,933.00	672,052.76
Leeds and Grenville	1910	307.0	4.0	311.0	1,565,229.56	635,907.44
Lennox and Addington	1906	126.0	....	126.0	836,719.88	373,085.90
Lincoln	1904	133.8	12.2	146.0	2,489,115.41	981,370.85
Middlesex	1906	383.0	28.0	411.0	2,051,527.54	841,604.97
Norfolk	1917	207.0	....	207.0	1,580,942.72	704,909.16
Northumberland and Durham	1918	256.0	....	256.0	867,820.55	405,624.57
Ontario	1918	195.7	8.3	204.0	835,423.05	384,077.51
Oxford	1904–7	221.0	....	221.0	1,598,742.18	626,672.81
Peel	1906	130.0	....	130.0	1,278,536.84	501,384.47
Perth	1907	178.0	....	178.0	866,823.57	348,451.92
Peterboro	1919	140.5	34.5	175.0	339,716.49	146,109.15
Prescott and Russell	1917	180.0	....	180.0	3,222,271.82	1,383,800.85
Prince Edward	1907	102.0	....	102.0	937,412.81	379,728.62
Renfrew	1918	193.0	....	193.0	2,146,405.22	1,031,597.60
Sincoe	1903	306.0	....	306.0	2,184,151.42	937,619.92
Stormont, Dundas and Glengarry	1917	336.0	....	336.0	3,570,779.80	1,711,880.17
Victoria	1917	172.5	....	172.5	1,066,798.53	523,232.64
Waterloo	1908	145.2	19.8	165.0	1,565,330.98	736,066.59
Welland	1912	135.3	10.2	145.5	2,693,559.76	1,167,428.07
Wellington	1903	286.5	13.5	300.0	1,934,532.86	840,749.85
Wentworth	1902	132.3	27.7	160.0	2,196,425.66	913,577.00
York	1911	.....	262.0	262.0	5,206,102.72	2,243,343.77
Totals	.....	7,285.7	693.3	7,979.0	66,102,641.89	29,359,266.82

SUBURBAN ROADS

The motor vehicle has become a necessity for transaction of business. The increased use of our roads means their increased usefulness. The possible service that may be performed by the road is in proportion to the efficiency of the vehicle. The motor car and motor truck have greatly advanced the general public value of the road; and, whereas, good roads were regarded a few years ago as solely of rural concern, urban centres have become keenly alive to their value and are willing to bear a fair proportion of the cost. Instead of the farming population being expected to meet the entire cost, it is now fully con-

ceded that as regards main roads, cities and separated towns must share the burden with any other department of transportation or traffic. Cities benefit by rural trade induced, by tourist traffic; by the commercial and industrial traffic between cities.

Provision is made under the Highway Improvement Act whereby a city or separated town may co-operate with the county council in improving the leading county roads adjacent to the city or separated town and thereby obtaining a more substantial type of construction for such suburban road.

The section of county road designated as "Suburban" remains a county road, for which the county is responsible; the work of construction and maintainance is carried on under the direction of an engineer, appointed by the Suburban Road Commission, or may be carried on under direction of the County Road Superintendent, but subject to the instructions of the commission.

At the end of 1925, twenty cities of the twenty-two within the organized counties and one separate town, Smith's Falls, were paying towards the improvement of County Suburban Roads. The commissions appointed have assumed 693.3 miles of road, the expenditure on which at the end of 1925 amounted to $10,916,202, of which the cities and separated towns have contributed $2,950,180, or 4.46% of the total expenditure made on the County Road Systems.

Towards the expenditure on construction and maintenance, and supervision of County Suburban Roads, the Province contributes 50 per cent. and the county and city each 25 per cent. The object of a city's contribution is not to relieve the county of the expenditure which they are equitably called upon to make, but rather to improve the standard of roads radiating from the city, and to permit them to be maintained in a condition suited to the traffic over them. Traffic accumulates on the main roads immediately adjacent to the city, and it becomes an unfair charge upon rural districts to construct and maintain roads suited to such accumulated traffic.

The two cities which have not yet contributed towards the cost of improvement of county roads are Stratford and Woodstock, but it is expected that these cities will co-operate with the counties in the near future in improving the leading roads adjacent to the city.

In 1925 the expenditure on County Suburban Roads was $1,415,390.61, of which the Province contributed $701,949.57, and county and city each $356,720.52.

Many of the commissions have adopted the principle of building permanent pavements, others again are re-shaping, widening and strengthening the existing roadway with the view of laying a permanent surface in the near future.

The main features of construction work carried out on County Suburban Roads during 1925 are as follows:—

TORONTO AND YORK ROADS COMMISSION

Approximately forty-five miles of road were graded to a width of twenty-six feet. The road surfacing consisted of approximately 13 miles of water-bound macadam, 5 miles of gravel, 10 miles of bituminous macadam, one third of a mile of concrete, 10½ miles of asphaltic concrete on cement concrete base, varying in width from 16 to 20 feet. In addition, one 33-foot span concrete bridge, 76 feet wide, work on which was commenced in 1924, was completed, also one 45-foot span concrete bridge, 20-foot roadway, and one 12-foot and one 17-foot span bridges were built. The 12-foot span bridge was 120 feet wide in order to care for a heavy fill.

OTTAWA SUBURBAN ROADS COMMISSION

The commission constructed 3.2 miles of bituminous macadam surface, 16 to 20 feet in width, also nine-tenths of a mile of asphaltic concrete surface on a concrete base, 20 feet wide, and 1.5 miles of gravel surface 16 feet wide. In addition, 2.5 miles of right of way were widened from 40 feet to 66 feet. The approaches to the Jock River Bridge in the village of Richmond were widened and dry stone retaining walls built and a new wooden floor laid and the steel of bridge painted. This work eliminated one of the most dangerous spots in the vicinity.

HAMILTON SUBURBAN ROADS COMMISSION

One mile of cement concrete pavement, 20 feet wide and one and one-half miles of bituminous macadam surface 18 feet wide were built. In addition, 3 miles of waterbound macadam road, 15 feet wide, were built.

Ottawa Suburban Roads Commission
Twenty-foot asphaltic concrete pavement with 2 feet penetration shoulder.

LONDON SUBURBAN ROADS COMMISSION

Three and one-fifth miles of concrete pavement were built on the Hyde Park Highway. The type of construction was two 10-foot strips of concrete with a 7-foot strip of gravel in the centre thus providing a travelled surface of 27 feet. This type of construction is called "Twin trail."

BELLEVILLE SUBURBAN ROADS COMMISSION

An amiesite surface 2½ inches deep and 18 feet wide for a length of 3⅓ miles was laid on the Corbyville Road, approximately 2.75 miles being laid on a 5-inch concrete base, the remainder being on a macadam base.

OWEN SOUND SUBURBAN ROAD COMMISSION

Approximately eight miles of gravel road 18 feet wide were constructed, together with one 12-foot span reinforced concrete bridge with a 20-foot roadway.

GUELPH SUBURBAN ROADS COMMISSION

Fourteen hundred feet of concrete pavement 20 feet wide was laid in addition to approximately one mile of gravel road, 16 feet wide.

NIAGARA FALLS ROADS COMMISSION

Eight hundred and fifteen feet of asphaltic concrete surface on macadam base was laid at a special road intersection.

SMITHS FALLS SUBURBAN ROADS COMMISSION

Two miles of bituminous macadam surface 16 feet wide was constructed on a macadam base, asphalt being used as a binder.

GENERAL

The work on suburban roads has shown remarkable improvement during the past few years, and the commissions in the majority of instances are to be commended on the method of carrying on the work.

The construction of permanent pavements and structures on suburban roads in the close vicinity of the city should be encouraged by all Suburban Roads Commission.

TOWNSHIP ROADS

The township road plays a most important part in the development of this Province and the improvement of such roads must not be overlooked.

Our township roads, in the early history of the Province, depended largely on Statute Labour for improvement; this system having been created by the first parliament of the Province (then Upper Canada) in 1796. Money expenditure, raised by general levy on the township assessment, has been, however, steadily increasing and at the end of 1925, 282 townships had abolished Statute Labour.

There are 418 organized townships within the organized counties of the Province with a road mileage of approximately 40,000 miles under the control of the township councils. At the end of 1925 approximately 19,000 miles had been surfaced with gravel or stone.

STATUTE LABOUR

In the old days, when traffic moved slowly on a narrow strip of gravel, statute labour served its purpose. Statute Labour is suited to a pioneer age, but with the advent of the motor car it has become obsolete as a road builder. Statute labour still holds in some localities but is growing weaker.

The defects of statute labour may be briefly outlined as follows:

Responsibility is too much divided. No one can be held directly responsible for the condition of the roads, nor for the proper expenditure of money and labour upon them. Work is done at one time of the year only, the remainder of the year the roads are neglected and repairs not made when needed. Work done by statute labour is not done at points where most needed. No matter how urgently grading or ditching is needed, if it is more convenient for the farmer to haul gravel, he does so. The wishes of the man who is to do the work, not the work itself, are the first consideration . Some men give a full day's work, others pay the commutation rate of $1.50 per day. Others again, give a part

of a day's work, and in some townships methods are so lax that they can escape without giving either labour or money. We all know the troubles of the pathmaster, his friends and his foes—the disregard for his instructions. There is always a liability of ill-feeling between the pathmaster and his neighbours if he demands even a reasonable performance of their statute labour.

Good methods of road improvement cannot be expected, as pathmasters do not retain their office long enough to become experts. Again, with so many pathmasters as are generally appointed, and the annual system of rotation, uniformity is impossible. Work cannot be carried on continuously from year to year, in pursuance of a well-defined plan, so that improvements are now made which have little or no connection with one another. In short, statute labour has prevented townships from carrying out a consistent, economical plan of road improvement.

An Example of the Results of Statute Labour Grading
Soil and sods graded over a consolidated gravel roadbed.

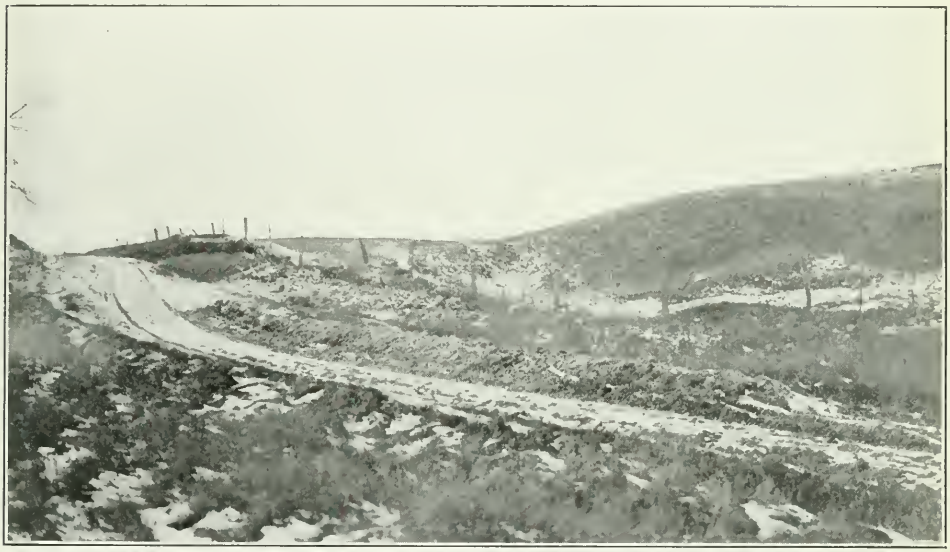
In 1924 it was found that the average cost of applying gravel on the road by statute labour was $1.05 per yard-mile as against 35 cents per yard-mile by contract or day labour. That is, to get $5.00 worth of work done by statute labour, the townships consumed $15.00 worth of statute labour necessary to do it. More than one million dollars worth of sturdy township energy was wasted each year in performing statute labour on the roads of this Province, that is the commuted value in dollars and cents—on the basis of a full day's work, a full wagon box—gravel placed exactly where it is needed and spread as it should be spread.

TOWNSHIP ROAD SUPERINTENDENTS

The government of the day quick to recognize the necessity of placing the improvement of township roads on a business basis, and to meet the above essentials, made provisions in the Highways Act, 1915, whereby the Province would contribute $150 annually to townships which appointed a township road superintendent.

In 1920, a further and more generous amendment was made in the Highways Act, which amendment provided that the Province would contribute 20 per cent on the expenditure made on road improvement and 40 per cent. of the salary of the road superintendent, the appointment of the superintendent being optional with the township council.

In 1920, 172 townships took advantage of the Provincial aid, spending on road improvement $1,631.460 and receiving subsidies aggregating $326,292. Of this number of townships 88 appointed superintendents and paid in salaries the sum of $36,767 of which the Province paid $14,707. In 1921, 294 townships met the requirements of the Act of which 143 appointed road superintendents. In 1922, 312 townships took advantage of Provincial aid of which 143 appointed superintendents, while in 1923, 315 townships took Provincial aid, of which 152 appointed superintendents. In 1924, 320 accepted aid and 163 Townships appointed superintendents.



An Example of the Results of Statute Labour Gravelling
Traffic has in six months developed a new roadway in order to avoid the work performed.

The advent of the motor car and more rapid transportation on our highways has emphasized in no uncertain terms the necessity of change from statute labour. The application of a heavy coat of gravel every few years is not only costly, but it is far from adequate. Our roads now need constant and efficient care. Proper drainage, safe width and uniformity of surface are absolutely essential if we are to employ the motor vehicle as a safe, comfortable, durable and economical means of transportation. A poorly kept road means loss of time, high wear and tear, discomfort and danger to life. How does the statute labour system take care of the above essentials?

An examination of the statute labour system, from the standpoint of business organization, shows clearly that it is not a sound basis for permanent road development. Good organization is the first step towards good roads. Until townships abolish statute labour, the creation of an efficient organization will be delayed. Efficient organization has two main features:—

(1) *Expenditure to be wholly on a cash basis,* instead of statute labour, the money to be raised by a rate on the general township assessment, in the same way as other township revenue.

(2) *Management to be placed under one permanent road superintendent* for the township, acting under the direction of the council.

These two features permit the application to road improvement of principles that are essential to success in any local business undertaking. The first merely does away with the existing system of statute labour. The second is the all-important factor of the system to be put in its place. Responsibility should be definitely centralized in one manager so that there is a strong incentive for him to obtain the best results and to avoid mistakes. This is obtained by having one superintendent in place of twenty or more overseers of statute labour.

In carrying out the system under one superintendent, it is apparent that success must largely depend on the choice of a man for road superintendent.

An Example of the Results of the Abolition of Statute Labour
This township road can be used during all seasons.

That is true in any business. If an inefficient man is selected and there is a complete failure the first year it does not mean that statute labour should be retained, but merely that the council should appoint a better superintendent. At the same time too much must not be expected of an inexperienced superintendent for the first year. In placing responsibility on him for results, he must be given corresponding authority especially in the matter of hiring or discharge ing of men and teams. The council should decide the work to be done, but the doing of the work should be left in the hands of the superintendent.

A good road superintendent can, as time goes on, make a complete study of the local road situation, the relative importance of the various roads, the grading, drainage and bridging required on each, and the location of gravel or stone. With this knowledge, he can be a most valuable guide to succeeding councils just as a township clerk is in other matters.

The Department has watched with interest and concern the careful expenditure of money, the wise balancing of road operations, the judicious handling of men, machinery and materials, and the steady improvement of the roads during the past few years in those townships where there had been an official whose job it is to see that the various undertakings are carried out in the quickest, safest and most economical way, and as a result the Department is thoroughly convinced that unless there is such an official in a township to take charge of the operations decided upon by the township council, there can be no assurance of efficiency of methods or economy in expenditure, and there can be no longer any subsidies paid to townships where these essentials of management are not assured.

After the most serious consideration and with the intention of assisting the townships on road improvement to the fullest extent, the present administration provided, at the 1924 session of the Legislature, further aid to townships and whereby the Province will contribute *30 per cent. on the expenditure made by the township on road improvement* and *50 per cent. of the salary and expenses of a township road superintendent.* To entitle the township to the mentioned subsidies, the township must (1) abolish statute labour by by-law, and (2) appoint a township road superintendent.

The decision is the result of careful survey of the whole Province covering a period of years. It is simply a vindication of the old law of management—centuries old. *All management implies three things: an object, a force, and a director of that force to accomplish that object.* Applied to township road work, the object is the economical upkeep and improvement of the roads to meet the demands which the traffic of to-day makes upon them. The force consists of public money, machinery, and brains. The director of that force is the *township road superintendent.*

Another important matter that must be considered by the township is the adoption of some definite plan of road improvement extending over a period of years towards which the program of each year's road development will definitely tend.

The Province is going to be fair to all as regards Statute Labour, all townships will be placed on the same basis. It demands uniformity among the townships who seek its aid.

From the above we will observe that the tendency has been on the part of the Government to encourage the townships to place the expenditures on road improvement under the control and supervision of one manager acting under the direction of the township council.

CLASS OF WORK

The class or standard of work to be done on township roads will be governed largely by the amount of traffic using the roads. The importance of the roads will decide as to the amount of expenditure and the type of construction required on the work. The Department desires to co-operate to the fullest extent with the townships in the improvement of township roads, and the requests that the townships communicate with the Department before any permanent work is commenced. The engineers of the Department are at the services of the townships at all times in this as in other road matters.

The following shows the growth of Provincial aid to townships on road improvement, under the provisions of the Ontario Highways Act.

1916	$1,241.71	towards superintendent's salary
1917	$1,608.72	" " "
1918	$1,910.59	" " "
1919	$2,620.60	" " "
1920	$340,973.38	Commencement of aid on road improvement
1921	$708,486.91	
1922	$649,601.48	
1923	$614,037.88	
1924	$638,940.11	
1925	$988,633.29	
Total	$3,948,054.67	

1925 WORK

On December 31st, 1925, 278 townships had passed the necessary by-laws to entitle them to the Provincial subsidies on expenditure made in 1925. This is approximately 67 per cent. of the townships within the organized counties or 87 per cent. of the townships taking aid in 1924.

In 1925, 162 bridges and 531 concrete box culverts were built by the townships and numerous pipe culverts laid. Yearly the mileage of earth roads is diminishing, gravel, stone or other more substantial surface being employed to provide the farmer with a safe and convenient road in seasons of the year when he needs it most.

As in previous years, work on the township roads consisted chiefly of renewing wornout surfaces and keeping them smooth by the frequent dragging—that is, expenditures were largely for maintenance. It is to be noted that the old timber type of bridge and culvert is steadily giving way to permanent concrete structures of ample width to safely accommodate all present and probably future traffic as regards strength, durability and width of passage. Narrow grades are being widened out, swampy stretches cleared and drained, and effective watercourses established along road sides to ensure a reliable road surface in all weathers.

In bridge construction the most notable features were the Millard Bridge, Amabel township, which consisted of three concrete beam spans of 35 feet each. East Williams township, one 93-foot span with two shore spans of 30 feet each of steel and concrete design. One 98-foot span, steel truss was built in Fullarton township and one 123-foot span, steel truss in Winchester township.

The main objective of every township council should be to provide the farmer with a safe and convenient road in seasons of the year when he needs it most.

PROVINCIAL RESPONSIBILITY

The Province has undertaken its responsibility as regards road development in a number of ways:—

1. By a thorough study of traffic and transportation problems in all civilized countries of the world with a view to adapting the best available knowledge and practice to our own local conditions and problems. These are at the disposal of every rural community in the Province, and at their service also is a force of carefully trained road engineers—practical men, experienced in sizing up any local peculiarities and applying thereto the most practicable and economical solutions known to the science.

2. By insisting on the adoption of reliable records of money expenditure in all phases of road work. This is a matter which we have found to be very much in need of improvement and standardization. Some appalling statements are frequently circulated throughout communities, or the Province generally, concerning the cost of our roads—statements that are erroneous and misleading to such a degree that not only the ratepayers but often municipal officials themselves do not know whether to believe them or not. The ratepayer must be informed officially of the actual and incontrovertible truth respecting the portion of his taxes that is spent upon his roads. On county work in some counties we have succeeded well in the establishment of a simple, lucid and accurate accounting of all expenditures. Much has still to be accomplished, however, before our ratepayers can point with satisfaction and understanding to the results of his financial interest in the road activities in his county and township.

3. By dispensing guidance in the matter of construction of roads and bridges and the adequate maintenance of existing thoroughfares, the Province is not only safeguarding its own financial interests in the problem of transportation but that of the smallest communities as well. Standard types and plans for the smaller structures are supplied gratis and our engineers are untiring in their endeavours to encourage an adherence to these standards in the interests of reliability and economy.

4. By discountenancing ill-advised and unsound practice in actual workmanship and methods, our engineers are effecting for the counties and townships savings that will be best reckoned in added years of service rather than in dollars of expenditure.

5. We have encouraged the appointment of township road superintendents realizing full well that only in a centralized control of municipal matters can the greatest economy be effected and results obtained commensurable with the cost.

6. With this end in view, also, we have encouraged the abolition of the Statute labour system. The best argument against this system of road work is the condition of the roads themselves. It is proven to be wasteful of effort and not the system that responds to the demands of present day traffic.

APPENDICES

Nos. 1 to 13

APPENDIX

SUMMARY,

Statement of Work and Expendi

County	Work Done During Year							Roads and Culverts
	Miles Graded	Miles Stoned		Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts	
								$ c.
Brant	3.00	Bit. Mac.	0.28	3.00	34	....	12	....	13,794 23
Bruce	19.24	.....	.....	22.00	.....	5	91	18	48,427 09
Carleton	35.02	Asp. Con.	2.75 3.52	22.00	71	3	89	21	357,232 96
		Bit. Mac.	9.20						
Dufferin	2.75	.....	.....	1.50	.....	2	43	1	13,792 29
Elgin	5.60		1.17	4.43	1,188	1	35	2	25,088 37
Essex	16.48	Concrete	3.23	11.75	.....	3	25	6	131,967 25
Frontenac	6.00		6.00	.....	.....	1	24	6	20,407 52
Grey	12.00	Concrete	4.19 1.50	5.00	.....	8	8	4	75,159 19
Haldimand	9.50	.....	.....	.....	.....	2	58	1	7,037 22
Halton	7.00		0.75	2.00	.....	1	17	3	6,137 15
Hastings	7.80		3.40	4.30	.....	5	8	11	21,199 68
Huron	19.50	.....	.....	16.00	.....	6	.....	3	48,244 57
Kent	0.87		0.87	.....	939	4	12	4	6,855 60 13,154 20
Lambton	4 25		3.00	1.25	.....	9	4	9	20,427 26
Lanark	9.75		9.75	.....	.....	2	21	1	48,293 06
Leeds and Grenville	12 40		11.65	1 50	.....	1	14	1	41,707 32
Lennox and Addington	0.27		3.00	0.05	.....	3	1	2	10,474 99
Lincoln	15.79	Concrete.	8.40 1.56	.....	34	....	252	....	145,936 07
		Bit. Mac.	0.16						
Middlesex	19.57	Concrete	1.79	13.16	513	7	53	10	95,608 74
Norfolk	15 87	.....	.....	.....	187	....	50	2	43,838 45
Northumberland and Durham	5.17	.....	.....	8.48	30	5	50	3	18,071 75
Ontario	18.97		1.60	1.50	8	6	105	21	38,270 05
Oxford	13.72	Bit. Mac.	0.08	16.72	3,290	5	19	....	4.680 24 56,621 15
Peel	11.49	.....	.....	12.49	.....	5	58	1	57,674 70
Perth	0.39		0.39	.....	936	....	12	....	7,205 68
Peterborough	1.14	.....	.....	1 14	.....	1	5	3	10,851 18
Prescott and Russell	38.28		20.78	9.25	.....	6	57	14	10,242 05 234,493 53
Prince Edward	0 43	.....	.....	0.06	.....	1	1	....	1,236 14
Renfrew	17.59		4.28	17.06	23	4	35	31	145,973 24
Simcoe	9.00		3.00	5.75	.....	7	49	7	44,150 29
Stormont, Dundas and Glengarry	13.47	Bit. Mac.	13.55 0 35	.....	.....	10	11	25	132,809 69
Victoria	3 06		1.20	2.34	.....	2	49	4	28,091 72
Waterloo	7.38	Concrete	1.19 0.19	6.00	.....	1	15	4	32,812 36
Welland	9.50	.....	.....	.....	.....	1	12	7	34,930 04
Wellington	.....	.....	.....	.....	45	5	.....	5	7,530 48
Wentworth	13.28	Bit. Mac.	6 66 0 87	.....	36	3	97	3	65,865 26
York	39.50	Asp. Con. Bit. Mac.	19 07 5.00 9.70	2 90	37	1	117	10	454,021 77
Totals	425 03		*164 08	191.63	7,371	126	1,509	243	2,580,314 53

*Includes:—
Waterbound macadam .....126.65 miles
Concrete ..... 8.27 "
Bituminous Macadam ..... 20.64 "
Asphaltic Concrete ..... 8.52 "

No. 1

1923

ture on County Road Construction

Approved Expenditure for Year

Bridges	Machinery and Repairs	Special Grants to Towns and Villages	Purchase of Toll Roads and Gravel Pits	Superintendence	Approved Expenditure on Construction	Approved Expenditure on Maintenance	Total Approved Expenditure	Government Grant 40%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	7,313 98	.....	.....	3,914 47	25,022 68	17,244 04	42,266 72	16,906 69
12,220 16	6,493 14	5,422 12	.....	4,599 29	77,161 80	24,420 10	101,581 90	40,632 76
10,958 26	18,243 37	.....	.....	10,458 92	396,893 51	54,069 43	450,962 94	180,385 17
3,023 77	2,032 09	.....	.....	2,648 90	21,497 05	21,890 34	43,387 39	17,354 96
38,039 17	3,312 13	8,666 08	.....	3,251 36	78,357 11	72,444 96	150,802 07	60,320 83
4,388 82	1,878 68	6,000 00	.....	4,692 97	148,927 72	60,091 47	209,019 19	83,607 68
696 00	3,768 81	.....	.....	1,998 16	26,870 49	19,588 97	46,459 46	18,583 78
27,859 10	2,085 17	7,403 50	.....	3,175 65	115,682 61	35,823 36	151,505 97	60,602 39
2,739 91	1,157 53	.....	.....	3,006 73	13,941 39	45,407 75	59,349 14	23,739 66
1,227 25	2,625 21	.....	.....	2,035 25	12,024 86	17,627 17	29,652 03	11,860 81
12,578 86	5,361 54	7,847 94	.....	4,785 09	51,773 11	51,539 18	103,312 29	41,324 92
7,665 53	10,718 53	14,146 86	450 00	4,783 55	86,009 04	56,888 17	142,897 21	57,158 88
					6,855 60		6,855 60	2,742 24
22,344 93	14,047 88	1,887 03	.....	3,781 42	55,215 46	67,980 52	123,195 98	49,278 39
32,550 40	8,573 57	10,389 39	.....	3,318 96	75,259 58	63,956 41	139,215 99	55,686 39
2,710 85	8,226 18	.....	.....	2,779 18	62,009 27	18,116 70	80,125 97	32,050 39
2,137 38	4,995 60	7,604 80	.....	3,375 56	59,820 66	47,277 33	107,097 99	42,839 19
11,910 04	3,311 43	7,782 28	.....	2,137 60	35,616 34	11,826 38	47,442 72	18,977 09
.....	23 44	3,860 10	.....	6,578 09	156,397 70	50,431 50	206,829 20	82,731 68
1,425 80					1,425 80		1,425 80	570 32
42,482 86	4,517 37	.....	.....	4,452 69	147,061 66	62,111 09	209,172 75	83,669 10
420 05	3,838 94	5,700 00	.....	3,692 45	57,489 89	75,375 47	132,865 36	53,146 14
6,845 07	9,580 61	11,536 13	.....	4,124 80	50,158 36	20,073 63	70,231 99	28,092 79
6,246 51	3,689 91	8,370 39	430 93	4,155 15	61,162 94	26,415 14	87,578 08	35,031 23
					4,680 24		4,680 24	1,872 10
14,849 00	7,717 45	.....	.....	2,782 98	81,970 58	31,795 53	113,766 11	45,506 44
14,319 44	2,055 44	.....	.....	3,005 96	77,055 54	30,544 90	107,600 44	43,040 18
582 50	.....	.....	.....	1,404 00	9,192 18	45,378 97	54,571 15	21,828 46
4,134 83	899 55	.....	.....	2,397 45	18,283 01	28,335 91	46,618 92	18,647 57
					10,242 05		10,242 05	4,096 82
60,706 02	3,176 01	1,500 00	675 00	3,505 86	304,056 42	48,296 86	352,353 28	140,941 31
1,254 46	4,870 44	2,000 00	.....	2,215 08	11,576 12	19,334 64	30,910 76	12,364 30
29,994 53	3,306 00	6,500 00	.....	5,393 20	191,166 97	17,719 39	208,886 36	83,554 54
1,936 60					1,936 60		1,936 60	774 64
12,641 10	2,147 99	7,972 32	.....	4,234 00	71,145 70	62,886 92	134,032 62	53,613 05
12,610 60	7,359 11	1,650 00	.....	4,975 98	159,405 38	59,761 19	219,166 57	87,666 63
5,766 73	11,105 48	13,689 71	.....	4,934 83	63,588 47	22,725 32	86,313 79	34,525 52
1,200 00	16,489 39	7,029 06	.....	3,381 65	60,912 46	39,585 75	100,498 21	40,199 28
16,894 24	5,179 15	5,782 96	.....	3,907 25	66,693 64	65,812 04	132,505 68	53,002 27
15,195 68	2,262 42	.....	.....	3,128 75	28,117 33	74,006 93	102,124 26	40,849 70
16,257 73	4,048 10	.....	.....	6,213 33	92,384 42	61,122 23	153,506 65	61,402 66
2,341 88	3,722 63	.....	.....	6,955 82	467,045 10	47,921 99	514,967 09	205,986 84
461,159 06	200,134 27	152,740 67	1,555 93	146,182 38	3,542,086 84	1,575,827 68	5,117,914 52	2,047,165 79

APPENDIX

SUMMARY,

Schedule of Expenditure on Maintenance

For the period beginning January 1st,

County	Grading	Culverts	Re-surfacing	Dragging	Oiling or Tarring
	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	881 50	76 30	13,296 18	1,740 95	.....
Bruce	2,054 78	608 23	13,737 59	2,081 46	.....
Carleton	1,438 07	182 68	33,959 29	671 04	10,531 29
Dufferin	4,142 43	218 05	14,308 08	1,459 09	.....
Elgin	5,886 24	929 46	55,326 97	5,207 95	.....
Essex	379 08	95 21	47,527 89	10,088 55	126 67
Frontenac	2,764 75	514 20	14,239 41	29 90	369 01
Grey	653 51	1,253 49	26,587 67	3,307 55	1,205 14
Haldimand	1,620 20	709 08	35,977 44	4,648 19	.....
Halton	423 50	271 43	15,634 82	1,004 38	.....
Hastings	6,354 67	3,055 05	34,489 89	1,282 57	2,883 91
Huron	4,586 97	4,043 25	31,866 21	3,428 51	4,208 22
Kent	3,538 50	496 19	49,938 63	9,148 41	480 78
Lambton	8,821 36	1,573 29	46,680 15	6,148 54	239 51
Lanark	4,577 65	648 75	9,537 19	307 25	372 68
Leeds and Grenville	1,694 06	1,683 71	40,251 98	329 40	1,129 83
Lennox and Addington	1,029 07	488 98	9,065 97	23 00	.....
Lincoln	570 70	2,033 08	24,413 49	3,803 75	14,631 13
Middlesex	1,046 38	516 35	39,029 71	10,823 33	3,138 68
Norfolk	11,590 51	278 39	59,226 43	2,083 04	36 68
Northumberland and Durham	830 75	509 72	10,193 27	4,410 52	367 86
Ontario	2,965 32	356 87	16,541 42	1,969 09	671 11
Oxford	1,057 92	2,246 07	23,329 47	1,874 54	.....
Peel	5,175 76	369 00	18,873 78	2,065 48	1,831 72
Perth	2,600 78	351 61	34,027 77	1,484 67	5,326 07
Peterborough	7,636 35	773 59	14,739 33	.....	.....
Prescott and Russell	6,514 09	284 65	685 23	1,111 24	38,272 84
Prince Edward	956 05	242 41	14,558 04	19 75	2,126 53
Renfrew	3,277 26	1,235 92	5,992 31	1,296 18	4,369 89
Simcoe	3,459 27	391 73	49,385 82	1,770 95	200 95
Stormont, Dundas and Glengarry	740 70	659 19	30,067 28	1,397 90	22,869 37
Victoria	2,217 44	326 04	14,084 00	1,569 28	711 70
Waterloo	2,624 23	75 94	32,517 07	1,578 34	157 05
Welland	1,234 64	100 28	60,319 36	361 45	3,180 00
Wellington	11,573 96	5,680 95	43,108 13	9,504 04	473 81
Wentworth	13,423 75	6,156 71	33,796 98	3,503 27	4,241 52
York	1,275 22	.....	18,951 71	1,474 20	16,368 08
Totals	131,617 42	39,435 85	1,036,265 96	103,007 76	140,522 03

No. 2

1923

and Repair on County Roads

1923, and ending December 31st, 1923.

Snow Shovelling	Bridges	Ditching and Draining	Cutting Weeds and Brush	Wire Fence Bonus	Total Expenditure	Total Government Grant, 40%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
183 05	760 56	78 70	226 80	.....	17,244 04	6,897 62
1,295 86	4,431 91	.....	210 27	.....	24,420 10	9,768 04
3,786 45	1,204 17	1,793 53	502 91	.....	54,069 43	21,627 77
1,045 35	229 59	487 75	.....	.....	21,890 34	8,756 14
724 14	2,842 41	340 13	1,187 66	.....	72,444 96	28,977 98
31 45	100 72	1,359 42	382 48	.....	60,091 47	24,036 59
520 45	205 32	.....	234 69	711 24	19,588 97	7,835 59
2,750 63	65 37	.....	.....	.....	35,823 36	14,329 34
124 80	1,586 39	.....	741 65	.....	45,407 75	18,163 10
212 05	80 99	.....	.....	.....	17,627 17	7,050 87
868 00	2,293 64	.....	311 45	.....	51,539 18	20,615 67
3,593 06	3,981 54	450 45	729 96	.....	56,888 17	22,755 27
148 12	879 28	1,434 03	709 45	ferry 1,207 13	67,980 52	27,192 21
.....	32 00	.....	461 56	.....	63,956 41	25,582 56
505 25	1,023 60	.....	.....	1,144 33	18,116 70	7,246 68
73 75	2,102 60	.....	.....	12 00	47,277 33	18,910 93
958 81	127 55	.....	.....	133 00	11,826 38	4,730 55
695 53	7 00	4,276 82	.....	.....	50,431 50	20,172 60
1,040 04	3,276 56	1,573 64	1,666 40	.....	62,111 09	24,844 44
292 29	1,283 14	45 96	539 03	.....	75,375 47	30,150 19
2,251 96	637 79	535 11	336 65	.....	20,073 63	8,029 45
2,268 10	330 94	.....	652 55	659 74	26,415 14	10,566 06
912 99	948 07	602 99	578 65	244 83	31,795 53	12,718 21
1,247 35	819 93	.....	161 88	.....	30,544 90	12,217 96
1,160 21	427 86	.....	.....	.....	45,378 97	18,151 59
989 76	3,509 24	239 00	445 34	3 30	28,335 91	11,334 37
1,304 41	124 40	.....	.....	.....	48,296 86	19,318 75
945 95	485 91	.....	.....	.....	19,334 64	7,733 86
296 30	959 30	.....	292 23	.....	17,719 39	7,087 76
2,471 03	3,679 60	.....	.....	1,527 57	62,886 92	25,154 77
1,574 12	1,640 87	.....	811 76	.....	59,761 19	23,904 48
862 36	155 59	.....	1,679 81	1,119 10	22,725 32	9,090 13
677 35	1,955 77	.....	.....	.....	39,585 75	15,834 30
141 50	14 36	.....	460 45	.....	65,812 04	26,324 81
2,584 62	252 04	.....	.....	829 38	74,006 93	29,602 77
.....	.....	.....	.....	.....	61,122 23	24,448 89
8,435 08	1,417 70	.....	.....	.....	47,921 99	19,168 79
46,972 17	43,873 71	13,217 53	13,323 63	7,591 62	1,575,827 68	630,331 09

APPENDIX

SUMMARY,

Statement of Work and Expenditure

County	Work Done During Year						
	Miles Graded	Miles Stoned	Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts
Brant	4.75			187	1	14	1
Bruce	31.72		35.00		9	107	12
Carleton	4.20	0.50 Asp. Con. 2.20 Bit. Mac. 3.00	2.00	185		23	
Dufferin	5.20		3.40		2	37	1
Elgin	0.25		0.25	178		2	2
Essex	17.60	Concrete 6.53		1,876	1	14	9
Frontenac	0.25					1	
Grey	7.50		6.00				12
Haldimand					1	1	3
Halton			1.12				1
Hastings	8.10	2.30	5.70		3	29	3
Huron	2.00		2.00		3	1	2
Kent	2.03	Concrete 1.98		370	5	6	4
Lambton	1.75		1.75		2	4	5
Lanark	2.93	2.93			1	36	2
Leeds and Grenville	3.00	3.00					
Lennox and Addington	3.00	4.50	1.00		1	8	
Lincoln							
Middlesex	1.16				1	7	3
Norfolk						1	1
Northumberland and Durham	6.75		8.00	101	3	68	
Ontario	10.30	0.18	1.85		1	56	12
Oxford	4.50					6	
Peel							
Perth			1.00	323		2	
Peterborough							1
Prescott and Russell	0.75		0.75				
Prince Edward	4.32	4.32				67	2
Renfrew	7.85	11.70			1	4	44
Simcoe	6.91		5.25		3	27	18
Stormont, Dundas and Glengarry	10.95	7.47 Bit. Mac. 3.72		35	6	9	20
Victoria	4.10	2.50	1.90	32	2	67	1
Waterloo	9.50	2.00 Concrete 3.72		36	1	21	3
Welland					2	1	1
Wellington	2.22		2.00		3	4	2
Wentworth	5.50	2.50 Concrete 3.00			1	58	1
York	13.18	5.03 Asp. Con. 6.00	3.44	294	1	27	5
Totals	182.27	*79.08	82.41	3,617	54	708	171

*Includes:—
Waterbound Macadam.....48.93 miles
Concrete.....15.23 "
Bituminous Macadam..... 6.72 "
Asphaltic Concrete..... 8.20 "

No. 3

1923

on Provincial County Road Construction

Approved Expenditure for Year

Roads and Culverts	Bridges	Special Grants to Towns and Villages	Approved Expenditure on Construction	Approved Expenditure on Maintenance	Total Approved Expenditure	Government Grant 60%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
24,642 73	3,649 29	.....	28,292 02	42,654 80	70,946 82	42,568 09
82,880 48	10,592 59	4,242 06	97,715 13	11,086 92	108,802 05	65,281 23
141,407 19	.....	.....	141,407 19	13,713 45	155,120 64	93,072 38
14,449 62	2,576 45	720 20	17,746 27	11,397 77	29,144 04	17,486 42
1,189 17	.....	2,081 50	3,270 67	13,497 59	16,768 26	10,060 95
237,267 66	1,533 99	.....	238,801 65	32,829 71	271,631 36	162,978 82
30,108 52	.....	.....	30,108 52	13,219 80	43,328 32	25,996 99
35,988 19	.....	2,472 25	38,460 44	24,816 98	63,277 42	37,966 45
3,407 13	1,436 42	.....	4,843 55	2,788 20	7,631 75	4,579 05
3,098 73	.....	.....	3,098 73	5,979 63	9,078 36	5,447 02
26,033 50	6,193 33	.....	6,193 33	27,433 74	6,193 33	3,716 00
	3,626 16		29,659 66		57,093 40	34,256 04
6,982 66	2,861 45	11,988 17	21,832 28	21,636 15	43,468 43	26,081 06
48,171 21	16,219 66	3,134 23	67,525 10	16,005 01	83,530 11	50,118 07
9,754 87	8,700 33	.....	18,455 20	16,495 71	34,950 91	20,970 55
41,916 60	1,310 46	.....	43,227 06	6,528 84	49,755 90	29,853 54
2,842 40	.....	.....	2,842 40	11,189 58	14,031 98	8,419 19
22,862 43	840 68	.....	23,703 11	8,487 84	32,190 95	19,314 57
.....	.....	.....	.....	.....	.....	.....
3,068 58	3,358 93	.....	6,427 51	12,103 60	18,531 11	11,118 67
284 16	1,489 33	.....	1,773 49	11,041 54	12,815 03	7,689 02
25,447 75	2,902 69	8,921 17	37,271 61	10,739 28	48,010 89	28,806 53
23,746 78	1,657 48	1,651 00	27,055 26	12,824 22	39,879 48	23,927 69
3,132 70	80 00	18,000 00	21,212 70	4,870 61	26,083 31	15,649 99
.....	.....	.....	.....	.....	.....	.....
3,096 95	.....	.....	3,096 95	7,243 57	10,340 52	6,204 31
607 12	.....	.....	607 12	4,565 16	5,172 28	3,103 37
8,858 02	.....	.....	8,858 02	5,957 92	14,815 94	8,889 56
24,104 45	.....	.....	24,104 45	5,052 14	29,156 59	17,493 95
134,430 41	2,393 27	.....	136,823 68	16,589 78	153,413 46	92,048 08
56,206 57	4,794 28	405 27	61,406 12	28,501 71	89,907 83	53,944 70
115,997 61	6,168 50	.....	122,166 11	44,931 17	167,097 28	100,258 37
58,611 24	5,084 97	10,367 99	74,064 20	12,566 35	86,630 55	51,978 33
93,731 85	5,159 22	2,047 74	100,938 81	9,810 76	110,749 57	66,449 74
		14,266 20	**14,266 20**		**14,266 20**	†**8,559 72**
22,836 57	11,618 90	6,846 19	41,301 66	20,419 70	61,721 36	37,032 82
17,644 38	35,965 97	8,640 38	62,250 73	39,638 14	101,888 87	61,133 32
80,096 85	1,810 00	.....	81,906 85	13,704 93	95,611 78	57,367 07
123,162 29	1,220 00	.....	124,382 29	6,709 47	131,091 76	78,655 06
1,528,067 37	143,244 35	67,251 95	1,738,563 67	547,031 77	2,285,595 44	1,371,357 28

†Deduct over payment in 1922.

APPENDIX

SUMMARY,

Schedule of Expenditure on Maintenance

For the period beginning January 1st, 1923

County	Grading	Culverts	Re-surfacing	Dragging	Oiling or Tarring
	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	1,399 10	316 33	31,943 77	2,550 20	3,426 56
Bruce	729 89	279 94	5,832 64	1,892 56	.....
Carleton	487 71	98 48	4,209 01	48 45	6,899 99
Dufferin	1,490 35	122 80	7,461 29	1,134 61	165 45
Elgin	845 47	143 15	7,546 42	1,775 07	2,663 77
Essex	74 00	75 73	27,201 21	2,920 54	.....
Frontenac	2,177 37	1,008 45	9,471 80	.....	.....
Grey	6 25	88 95	4,475 20	261 11	19,284 66
Haldimand	2,526 20	7 50	.....	222 10	.....
Halton	387 58	18 40	5,047 42	194 35	.....
Hastings	9,124 35	840 82	11,049 17	890 68	3,491 16
Huron	1,538 81	1,717 63	11,500 27	1,557 21	1,042 44
Kent	1,690 75	465 77	8,921 36	3,489 50	572 40
Lambton	2,377 97	707 43	9,841 66	2,033 44	189 22
Lanark	532 50	163 50	2,951 30	.....	132 13
Leeds and Grenville	253 00	1,573 31	8,774 47	.....	.....
Lennox and Addington	462 85	164 87	6,698 10	18 00	.....
Lincoln	.....	.....	.....	.....	.....
Middlesex	39 40	27 00	7,854 48	2,396 30	577 65
Norfolk	758 94	267 07	9,608 51	300 52	.....
Northumberland and Durham	406 25	193 20	5,070 32	2,139 58	646 61
Ontario	827 83	129 49	8,067 78	1,177 76	1,336 94
Oxford	135 55	84 07	3,521 89	715 65	.....
Peel	.....	.....	.....	.....	.....
Perth	252 88	76 17	5,621 07	406 86	136 00
Peterborough	847 55	119 31	3,417 17	.....	.....
Prescott and Russell	.....	.....	.....	37 86	5,706 66
Prince Edward	47 25	94 25	1,420 83	62 00	3,194 46
Renfrew	473 75	633 69	156 40	96 00	14,589 72
Simcoe	1,790 18	195 19	23,862 48	576 22	262 28
Stormont, Dundas and Glengarry	374 75	250 56	11,417 68	263 12	30,023 85
Victoria	1,026 41	304 14	7,485 76	1,210 00	323 81
Waterloo	97 40	.....	7,182 65	549 45	1,155 92
Welland	350 36	74 47	12,416 17	191 30	7,328 40
Wellington	7,345 84	3,368 53	21,217 06	4,422 23	1,074 59
Wentworth	3,933 25	1,035 22	7,810 34	926 12	.....
York	120 35	.....	3,340 75	437 90	1,301 40
Totals	44,932 09	14,645 42	302,396 43	34,896 69	105,526 07

No. 4

1923

and Repair on Provincial County Roads

and ending December 31st, 1923.

Snow Shovelling	Bridges	Ditching and Draining	Cutting Weeds and Brush	Wire Fence Bonus	Total Expenditure	Government Grant, 60%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
789 82	1,802 82	.....	426 20	.....	42,654 80	25,592 88
1,037 70	1,144 92	.....	169 27	.....	11,086 92	6,652 15
1,156 66	.....	550 13	263 02	.....	13,713 45	8,228 07
681 47	162 30	125 50	54 00	.....	11,397 77	6,838 66
114 75	104 72	.....	304 24	.....	13,497 59	8,098 55
31 97	1,901 40	347 60	277 26	.....	32,829 71	19,697 83
241 14	143 56	.....	17 50	159 98	13,219 80	7,931 88
389 36	311 45	.....	.....	.....	24,816 98	14,890 19
.....	5 40	.....	27 00	.....	2,788 20	1,672 92
191 20	140 68	.....	.....	.....	5,979 63	3,587 78
418 85	1,333 71	.....	285 00	.....	27,433 74	16,460 24
1,642 93	2,020 31	318 93	297 62	.....	21,636 15	12,981 69
23 25	46 67	359 56	435 75	.....	16,005 01	9,603 01
23 80	506 85	{Operating Ferry 672 14}	143 20	.....	16,495 71	9,897 43
33 00	611 30	.....	.....	2,105 11	6,528 84	3,917 30
10 00	.....	578 80	.....	.....	11,189 58	6,713 75
994 02	108 50	.....	.....	41 50	8,487 84	5,092 70
.....	.....	.....	.....	.....	.....	.....
590 57	186 86	217 26	214 08	.....	12,103 60	7,262 16
12 00	8 50	.....	86 00	.....	11,041 54	6,624 92
997 92	250 42	738 38	296 60	.....	10,739 28	6,443 56
721 14	87 95	.....	316 78	158 55	12,824 22	7,694 53
245 53	{Guard Rail 26 68}	50 64	90 60	.....	4,870 61	2,922 37
.....	.....	.....	.....	.....	.....	.....
586 92	163 67	.....	.....	.....	7,243 57	4,346 14
161 10	.....	12 00	8 03	.....	4,565 16	2,739 10
213 40	.....	.....	.....	.....	5,957 92	3,574 75
233 35	.....	.....	.....	.....	5,052 14	3,031 28
28 20	373 82	.....	238 20	.....	16,589 78	9,953 87
560 37	1,015 59	.....	.....	239 40	28,501 71	17,101 03
1,182 18	1,125 60	.....	293 43	.....	44,931 17	26,958 70
476 50	65 58	.....	638 65	1,035 50	12,566 35	7,539 81
613 84	211 50	.....	.....	.....	9,810 76	5,886 46
7 40	.....	.....	51 60	.....	20,419 70	12,251 82
1,835 89	140 51	.....	.....	233 49	39,638 14	23,782 88
.....	.....	.....	.....	.....	13,704 93	8,222 96
1,406 48	102 59	.....	.....	.....	6,709 47	4,025 68
17,652 71	14,103 86	3,970 94	4,934 03	3,973 53	547,031 77	[328,219 05

APPENDIX

SUMMARY,

Statement of Work and Expenditure

County	Work Done During Year						
	Miles Graded	Miles Stoned	Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts
Brant	3.30		3.30	224			
Bruce	1.12		5.62		5	16	9
Carleton	26.00	3.30 Bit. Mac. 4.40 Asp. Con. 1.43	23.25	51	2	69	21
Dufferin	5.60		5.70		1	59	1
Elgin	7.92	1.57	5.09	784	2	17	3
Essex	19.70	Concrete 0.80	8.50	347	3	32	5
Frontenac	4.50	4.50				10	1
Grey	12.58	Concrete 0.79 3.14	7.37		6	6	1
Haldimand					1	17	2
Halton	5.00	Concrete 3.00 2.00			1	14	2
Hastings	12.97	2.47	10.50			17	8
Huron	3.12		5.12		2	1	2
Kent	1.62	0.87		904	2	22	3
Lambton	2.62	2.62		647	1	5	8
Lanark	10.72	9.97	0.75		1	39	
Leeds and Grenville	3.75	Concrete 0.05 5.25	0.75		4		
Lennox and Addington	1.50					19	1
Lincoln	2.29	Concrete 0.15 Bit. Mac. 2.14				138	
Middlesex	16.25		15.25	529		34	3
Norfolk	13.50		24.00		5	22	1
Northumberland and Durham	6.81		12.80		3	39	1
Ontario	2.35	0.50	2.05		1	19	7
Oxford	14.75	2.25	15.75	799	2	1	
Peel	15.43		15.82		4	69	10
Perth				981	2		6
Peterboro	3.75		2.75			17	
Prescott and Russell	44.73	19.24	20.74		5	40	
Prince Edward	4.02	4.02				21	2
Renfrew	23.71		25.49			43	44
Simcoe	4.75	1.00	4.75		4	30	2
Stormont, Dundas and Glengarry	25.37	16.40	2.14	157	1	36	10
Victoria	2.60		1.16	9		58	8
Waterloo	2.10	Concrete 0.54 1.00	0.56		3	7	2
Welland	4.00				1	2	6
Wellington	1.00		1.00	30	5	74	3
Wentworth	10.00	Bit. Mac. 2.84 8.41 Bit. Mac. 6.00 Asp. Con. 5.92	2.25	101	2	75	2
York	40.42	Brick 0.34 38.45	3.44	55	3	109	25
Totals	359.85	* 155.36	225.90	5,618	72	1,197	199

*Includes:—
126.96 miles Water-bound Macadam.
5.33 miles Concrete.
15.38 miles Bituminous Macadam.
0.34 miles Brick.
7.35 miles Asphaltic Concrete.

No. 5

1924

on County Road Construction

Approved Expenditure for Year

Roads and Culverts	Bridges	Machinery and Repairs	Special Grants to Towns and Villages	Purchase of Gravel Pits and Stone Quarries	Superintendence	Approved Expenditure on Construction	Approved Expenditure on Maintenance	Total Approved Expenditure	Government Grant 40%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
12,202 69	.....	15,174 62	.....	2,114 10	4,394 79	33,886 20	16,079 22	49,965 42	19,986 17
15,353 27	20,741 92	2,771 63	9,200 49	.....	4,686 44	52,753 75	16,799 79	69,553 54	27,821 42
243,502 41	2,660 82	8,897 11	.....	.....	10,488 61	265,548 95	55,100 36	320,649 31	128,259 72
			63 50			63 50		63 50	25 40
14,074 43	1,131 64	1,530 67	270 93	200 00	2,613 23	19,820 90	21,273 99	41,094 89	16,437 96
31,278 77	6,839 17	9,448 84	8,466 69	.....	3,061 41	59,094 88	67,511 08	126,605 96	50,642 38
71,760 77	3,434 66	1,640 72	6,000 00	1,560 63	4,157 13	88,553 91	97,014 90	185,568 81	74,227 52
9,599 69	.....	1,212 62	.....	.....	1,908 83	12,721 14	27,187 43	39,908 57	15,963 42
82,781 62	9,959 26	1,992 76	3,775 23	.....	4,063 94	102,572 81	37,420 15	139,992 96	55,997 18
2,138 70	1,249 63	1,472 05	4,012 89	.....	2,775 50	11,648 77	33,774 95	45,423 72	18,169 49
54,150 21	1,567 36	564 65	.....	.....	2,038 75	58,320 97	21,657 22	79,978 19	31,991 28
	6,861 77	Hold-backs	from 1922	21		6,861 77	6,612 44	13,474 21	5,389 68
28,409 39	.....	4,140 08	.....	.....	4,914 90	37,464 37	52,848 22	90,312 59	36,125 04
11,369 13	1,271 72	2,163 83	33,269 60	815 00	4,652 56	53,541 84	42,498 26	96,040 10	38,416 04
8,513 97	56,712 70	14,499 38	512 86	2,450 00	4,091 80	86,780 71	71,016 06	157,796 77	63,118 71
14,675 12	7,772 78	6,070 11	12,342 31	5,015 11	3,779 01	49,654 44	65,565 31	115,219 75	46,087 90
51,583 88	7,614 97	6,873 86	.....	.....	2,510 53	68,583 24	20,802 19	89,385 43	35,754 17
24,652 27	6,795 98	1,997 81	9,826 35	.....	2,870 11	46,142 52	61,367 68	107,510 20	43,004 08
3,444 18	.....	6,599 53	7,712 89	.....	2,236 08	19,992 68	21,912 38	41,905 06	16,762 02
68,784 99	.....	1,983 91	3,860 10	.....	4,816 00	79,445 00	71,296 97	150,741 97	60,296 79
25,162 54	8,088 43	6,020 78	.....	.....	4,560 11	43,831 86	67,756 00	111,587 86	44,635 14
72,519 89	6,886 62	5,153 90	25,700 00	6,564 00	3,183 78	120,008 19	40,220 33	160,228 52	64,091 41
			5,114 27	Hold-b	acks from				
				1922	& 1923	5,114 27	.....	5,114 27	2,045 71
21,338 53	12,858 15	2,246 83	8,245 73	.....	4,129 54	48,818 78	15,574 84	64,393 62	25,757 44
11,189 88	1,308 28	513 84	19,853 14	.....	4,430 66	37,295 80	30,385 75	67,681 55	27,072 62
Hold-back				Hold-back					
from 1922	1,951 00	.....	1,936 05	from '23					
28,194 43	3,308 75	4,401 96	877 52	.....	2,801 74	43,471 45	36,572 62	80,044 07	32,017 63
4,468 26	Hold-bac	k from1923							
71,049 05	26,538 81	1,789 63	4,853 96	.....	2,773 68	111,473 39	36,002 35	147,475 74	58,990 29
1,801 20	4,994 44	.....	.....	.....	1,476 00	8,271 64	38,497 60	46,769 24	18,707 70
16,776 88	5,977 24	1,627 37	.....	.....	2,119 80	26,501 29	26,315 94	52,817 23	21,126 89
246,235 38	14,490 27	3,018 29	.....	.....	3,234 97	266,978 91	11,720 02	278,698 93	111,480 57
14,732 55	.....	7,458 12	.....	.....	2,196 46	24,387 13	10,662 30	35,049 43	14,019 77
	Hold-back	from 1922	12,900 00	.....	.....	12,900 00	.....	12,900 00	5,160 00
118,429 83	2,980 19	2,661 51	9,200 00	.....	5,318 76	138,590 29	18,221 23	156,811 52	62,724 61
20,171 42	12,132 74	496 13	24,313 28	.....	4,373 80	61,487 37	52,006 80	113,494 17	45,397 67
99,803 09	3,847 03	160 86	20,000 00	.....	4,538 44	128,349 42	128,385 07	256,734 49	102,693 79
23,106 25	435 37	2,434 28	4,546 47	.....	4,944 35	35,466 72	28,422 69	63,889 41	25,555 76
16,022 55	3,096 81	1,840 75	20,235 43	.....	3,932 90	45,128 44	25,574 69	70,703 13	28,281 25
11,015 86	6,756 22	7,191 49	22,307 25	.....	4,257 17	51,527 99	77,755 71	129,283 70	51,713 48
10,381 84	14,313 48	4,244 01	.....	.....	3,160 86	32,100 19	75,273 84	107,374 03	42,949 61
113,961 20	7,581 96	6,442 17	2,330 10	2,000 00	5,881 48	138,196 91	45,532 20	183,729 11	73,491 64
320,354 13	14,989 86	2,255 45	4,450 84	1,100 00	10,305 80	353,456 08	53,325 21	406,781 29	162,712 52
1,994,990 25	287,150 03	148,991 55	286,177 88	21,818 84	147,679 92	2,886,808 47	1,625,943 79	4,512,752 26	1,805,101 87

APPENDIX

SUMMARY,

Schedule of Expenditure on Maintenance

For the period beginning January 1st, 1924

County	Brushing and Weed Cutting	Draining and Ditching	Grading	Dragging	Culverts (Repairs)
	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	526 50	219 45	284 64	1,913 45	37 80
Bruce	262 10	.....	1,102 66	1,915 56	291 14
Carleton	3,595 86	484 13	1,143 50	643 30	454 55
Dufferin	102 42	85 60	3,858 20	1,462 69	251 99
Elgin	1,323 69	524 35	5,946 04	5,683 84	790 91
Essex	692 67	1,221 82	.....	11,161 29	240 70
Frontenac	.....	34 00	2,596 05	.....	147 58
Grey	38 80	17 40	1,788 93	4,409 04	826 18
Haldimand	1,034 90	.....	809 65	4,102 80	387 07
Halton	.....	92 10	373 20	800 05	161 89
Hastings	244 65	.....	6,977 29	1,529 00	1,667 78
Huron	976 15	1,808 79	4,266 91	4,126 06	1,030 00
Kent	770 40	635 23	4,885 15	10,909 90	228 55
Lambton	179 10	1,745 51	3,588 79	13,387 12	1,548 09
Lanark	158 00	.....	2,168 81	.....	454 61
Leeds and Grenville	31 75	606 45	2,877 16	359 65	577 32
Lennox and Addington	43 50	2 50	3 00	101 50	712 01
Lincoln	1,768 52	3,955 57	7,173 88	3,179 41	1,200 18
Middlesex	1,606 98	1,391 34	1,629 29	12,549 53	421 89
Norfolk	808 68	11 12	3,400 12	3,482 88	454 99
Northumberland and Durham	366 82	294 45	.....	4,576 35	367 97
Ontario	497 72	.....	1,666 35	3,290 68	349 16
Oxford	696 05	951 89	2,279 35	1,719 42	839 69
Peel	245 29	765 48	5,815 12	1,918 76	940 98
Perth	170 65	390 43	4,136 27	521 53	218 06
Peterborough	102 15	730 04	540 15	2,645 27	943 47
Prescott and Russell	1,140 87	781 68	4,240 45	1,235 88	237 00
Prince Edward	6 25	.....	.....	79 25	92 50
Renfrew	468 70	99 00	1,985 49	1,266 28	1,038 37
Simcoe	.....	.....	2,605 73	1,873 01	220 33
Stormont, Dundas and Glengarry	575 00	.....	3,166 43	1,068 79	1,024 97
Victoria	1,053 07	1,114 15	3,986 09	2,023 57	147 19
Waterloo	49 61	201 05	503 96	1,237 78	95 45
Welland	243 30	99 00	1,041 90	414 75	162 23
Wellington	1,010 33	589 01	13,238 46	9,270 16	382 49
Wentworth	1,002 26	2,518 80	1,526 78	3,890 45	1,142 71
York	1,167 40	1,211 69	1,029 08	477 63	807 23
Totals	22,960 14	22,582 03	102,634 88	119,226 63	20,895 03

No. 6

1924

and Repair on County Roads

and ending December 31st, 1924

Bridges (Repairs)	Re-surfacing	Oiling	Snow Roads	Wire Fence Bonus	Total Expenditure	Government Grant, 40%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	11,629 84	368 16	1,099 38	.....	16,079 22	6,431 69
2,213 76	8,557 02	.....	2,457 55	.....	16,799 79	6,719 92
345 00	28,815 37	12,599 58	7,019 07	.....	55,100 36	22,040 13
238 09	14,230 62	3 25	1,041 13	.....	21,273 99	8,509 59
2,240 68	48,395 26	61 45	2,544 86	.....	67,511 08	27,004 43
378 18	82,268 75	761 35	290 14	.....	97,014 90	38,805 96
18 40	15,280 52	8,075 03	684 01	351 84	27,187 43	10,874 97
597 32	23,936 49	1,507 77	3,573 17	725 05	37,420 15	14,968 06
110 43	25,729 15	.....	1,600 95	.....	33,774 95	13,509 98
43 54	18,870 85	.....	992 76	Guard Rail 322 83	21,657 22	8,662 89
.....	6,612 44	.....	.....	Hold back	6,612 44	2,644 98
2,738 01	35,022 05	2,455 73	2,066 91	146 80	52,848 22	21,139 29
2,172 81	22,417 16	1,725 21	3,975 17	.....	42,498 26	16,999 30
1,371 02	49,842 90	674 51	456 00	Ferry 1,242 40	71,016 06	28,406 42
2 456 28	41 899 05	Calc. Chlor. 603 50	157 87	.....	65,565 31	26,226 12
1 054 08	13 860 79	2 385 45	720 45	.....	20,802 19	8,320 88
1 315 23	55 254 28	48 14	152 04	145 66	61,367 68	24,547 07
.....	19 705 82	.....	1,269 05	75 00	21,912 38	8,764 95
197 92	35 513 95	15,676 40	2,631 14	.....	71,296 97	28,518 79
995 18	41,786 38	3,247 06	4,128 35	.....	67,756 00	27,102 40
874 96	27,963 48	.....	3,095 90	Guard Rails 128 20	40,220 33	16,088 13
269 41	6,101 36	.....	3,598 48	.....	15,574 84	6,229 94
149 12	20,291 18	Calc. Chlor. 472 53	2,584 36	1,084 65	30,385 75	12,154 30
609 88	23,624 63	2,780 12	2,725 45	346 14	36,572 62	14,629 05
237 24	24,182 03	1,865 67	20 00	Guard Rails 11 78	36,002 35	14,400 94
491 47	27,744 66	2,778 67	2,045 86	.....	38,497 60	15,399 04
3,815 65	14,741 91	.....	2,394 49	402 81	26,315 94	10,526 37
52 65	2,404 07	.....	1,627 42	.....	11,720 02	4,688 00
24 00	2,354 00	6,523 60	1,582 70	.....	10,662 30	4,264 92
225 37	7,854 62	4,901 49	323 25	Guard Rails 58 66	18,221 23	7,288 49
266 80	43,032 43	.....	3,225 83	782 67	52,006 80	20,802 72
1,527 69	101,122 59	17,062 34	2,837 26	.....	128,385 07	51,354 03
149 69	15,922 06	1,474 34	1,366 15	1,186 38	28,422 69	11,369 07
364 64	20,260 07	.....	2,862 13	.....	25,574 69	10,229 88
476 24	63,011 86	11,068 07	1,238 36	.....	77,755 71	31,102 28
656 22	43,616 16	1,439 00	5,072 01	.....	75,273 84	30,109 54
56 85	20,458 79	3,928 44	11,007 12	.....	45,532 20	18,212 88
.....	35,564 07	6,883 25	6,184 86	.....	53,325 21	21,330 09
28,733 81	1,099,878 66	111,370 11	90,651 63	7,010 87	1,625,943 79	650,377 49

APPENDIX

SUMMARY,

Statement of Work and Expenditure

County	Work Done During Year						
	Miles Graded	Miles Stoned	Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts
Brant	4.88		4.88	325		78	
Bruce	2.12		30.50		3	29	5
Carleton	10.00	Bit. Mac. 2.50	3.50		1	13	1
Dufferin	3.10		6.40		1	31	2
Elgin	0.50	0.50		305		6	
Essex	7.00	Concrete 3.50	0.50	502	3	11	
Frontenac	5.25	5.25				5	1
Grey	5.00		4.50				11
Haldimand							
Halton	3.75	Concrete 3.75	2.25			1	5
Hastings	5.50	3.75	1.75			14	1
Huron	4.25		4.25		6	3	12
Kent	4.90	Concrete 4.90		133	1	12	
Lambton	3.50	Concrete 0.01	5.50	250	3	4	2
Lanark	6.50	Bit. Mac. 5.00 1.50				29	
Leeds and Grenville	3.20	Bit. Mac. 1.00 1.50	0.50				14
Lennox and Addington	8.10	5.35	2.00		1	18	6
Lincoln							
Middlesex	0.75	Concrete 2.00		178		12	1
Norfolk	6.50		6.50	61		18	
Northumberland and Durham	4.28		11.70		1	13	2
Ontario	1.29	1.30	0.65			5	1
Oxford	2.50	4.25	2.50	10	6	2	
Peel							
Perth			1.75	79	1	2	
Peterboro	0.25		0.25				
Prescott and Russell	3.00		2.50			2	
Prince Edward	2.25	2.25				38	1
Renfrew	4.20	5.30			1	2	11
Simcoe	13.75		11.50		1	24	2
Stormont, Dundas and Glengarry	19.45	Bit. Mac. 2.72 11.97	5.00	35		31	7
Victoria	3.36	1.80	2.00			46	6
Waterloo	5.75	Concrete 5.00		75	2	22	3
Welland						10	
Wellington					1	46	1
Wentworth	2.72	Bit. Mac. 0.64 1.81		4		43	
York	16.10	Asp. Con. 3.37 11.27	8.07	15		14	3
Totals	163.70	*92.19	118.95	1,972	32	584	98

*Includes:—
57.80 miles Water-bound Macadam.
19.16 miles Concrete.
11.86 miles Bituminous Macadam.
3.37 miles Asphaltic Concrete.

No. 7

1924

on Provincial County Road Construction

Approved Expenditure for Year

Roads and Culverts	Bridges	Special Grants to Towns and Villages	Approved Expenditure on Construction	Approved Expenditure on Maintenance	Total Approved Expenditure	Government Grant 60%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
39,792 12	.....	.....	39,792 12	37,480 72	77,272 84	46,363 70
35,157 64	1,929 63	16,734 14	53,821 41	13,577 45	67,398 86	40,439 32
86,836 20	25,317 20	.....	112,153 40	27,059 54	139,212 94	83,527 76
		101 49	101 49		101 49	60 90
16,918 77	1,098 14	1,162 59	19,179 50	12,151 33	31,330 83	18,798 50
1,575 04	3,258 52	1,052 00	5,885 56	16,374 05	22,259 61	13,355 77
116,229 87	11,297 61	.....	127,527 48	44,510 55	172,038 03	103,222 82
11,141 60	.....	.....	11,141 60	12,425 10	23,566 70	14,140 02
17,414 18	.....	1,350 00	18,764 18	21,496 65	40,260 83	24,156 50
.....	.....	.....	.....	750 20	750 20	450 12
96,578 57	.....	.....	96,578 57	5,000 46	101,579 03	60,947 42
15,913 19	.....	.....	15,913 19	32,710 15	48,623 34	29,174 00
20,981 55	10,230 71	21,174 43	52,386 69	27,716 72	80,103 41	48,062 05
95,487 25	2,842 00	7,602 00	105,931 25	23,153 87	129,085 12	77,451 07
5,397 65	26,314 25	614 92	32,326 82	20,064 97	52,391 79	31,435 07
85,801 77	.....	.....	85,801 77	10,014 93	95,816 70	57,490 02
27,518 74	.....	.....	27,518 74	19,915 17	47,433 91	28,460 35
30,672 88	5,254 04	.....	35,926 92	18,789 02	54,715 94	32,829 56
.....	.....	.....	.....	.....	.....	.....
48,839 54	.....	1,529 76	50,369 30	14,871 20	65,240 50	39,144 30
25,930 03	.....	.....	25,930 03	3,718 02	29,648 05	17,788 83
		3,960 00	3,960 00		3,960 00	2,376 00
16,902 92	3,545 63	2,105 00	22,553 55	10,257 61	32,811 16	19,686 70
8,397 81	.....	36,574 35	44,972 16	11,210 91	56,183 07	33,709 84
11,907 92	13,097 91	2,791 82	27,797 65	5,633 59	33,431 24	20,058 74
.....	.....	.....	.....	.....	.....	.....
3,245 08	2,475 95	.....	5,721 03	10,981 63	16,702 66	10,021 60
584 30	.....	.....	584 30	4,462 87	5,047 17	3,028 30
20,980 93	.....	.....	20,980 93	292 15	21,273 08	12,763 85
13,980 99	.....	2,500 00	16,480 99	9,030 58	25,511 57	15,306 94
104,996 18	4,228 64	.....	109,224 82	20,053 93	129,278 75	77,567 25
45,173 42	7,468 60	3,051 01	55,693 03	21,601 81	77,294 84	46,376 90
95,693 32	1,883 56	.....	97,576 88	57,734 85	155,311 73	93,187 04
27,473 28	9 70	17,768 45	45,251 43	18,962 07	64,213 50	38,528 11
128,764 57	10,832 89	19,031 15	158,628 61	4,510 26	163,138 87	97,883 32
846 38	13,074 78	1,102 16	15,023 32	40,680 39	55,703 71	33,422 23
16,306 19	805 05	4,680 35	21,791 59	63,746 66	85,538 25	51,322 95
28,297 24	.....	.....	28,297 24	8,032 81	36,330 05	21,798 03
96,303 20	.....	.....	96,303 20	11,836 39	108,139 59	64,883 75
1,398,040 32	144,964 81	144,885 62	1,687,890 75	660,808 61	2,348,699 36	1,409,219 63

APPENDIX

SUMMARY,

Schedule of Expenditure on Maintenance

For the period beginning January 1st, 1924

County	Brushing and Weed Cutting	Ditching and Draining	Grading	Dragging	Culverts (Repairs)
	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	369 10	70 36	1,895 88	3,289 80	186 30
Bruce	188 90	.....	1,181 79	2,633 73	134 37
Carleton	1,434 58	1,943 69	175 28	547 20	106 22
Dufferin	280 25	35 65	1,545 10	1,423 10	148 10
Elgin	276 69	124 59	2,154 59	1,276 42	155 07
Essex	495 37	372 95	6,549 84	2,869 24	401 10
Frontenac	14 25	.....	2,189 82	.....	171 97
Grey	21 05	11 25	694 21	1,105 22	1 50
Haldimand	95 60	.....	218 50	324 50	.....
Halton	.....	.....	.....	653 90	34 30
Hastings	250 92	.....	8,487 50	721 92	961 35
Huron	650 86	412 58	1,228 32	2,662 72	772 24
Kent	437 85	324 49	3,763 12	3,679 23	131 20
Lambton	33 85	659 87	1,149 45	4,799 86	431 82
Lanark	.....	.....	395 15	.....	.....
Leeds and Grenville	.....	.....	.....	253 80	141 44
Lennox and Addington	9 00	.....	.....	.....	68 24
Lincoln	.....	.....	.....	.....	.....
Middlesex	257 95	218 69	822 18	3,192 23	121 55
Norfolk	91 92	16 50	397 73	288 84	291 80
Northumberland and Durham	225 60	261 00	.....	2,358 64	132 95
Ontario	206 50	.....	277 30	1,963 42	124 75
Oxford	121 30	358 13	196 73	700 25	43 52
Peel	.....	.....	.....	.....	.....
Perth	8 80	99 95	679 85	544 38	94 15
Peterborough	15 75	39 00	196 75	834 75	25 85
Prescott and Russell	.....	.....	.....	.....	.....
Prince Edward	.....	.....	.....	37 50	134 30
Renfrew	215 55	.....	141 35	40 00	479 51
Simcoe	.....	.....	1,467 57	782 82	94 50
Stormont, Dundas and Glengarry	270 50	.....	1,214 95	192 68	244 86
Victoria	1,179 24	892 90	1,229 44	1,998 12	110 63
Waterloo	37 00	184 75	316 95	399 71	22 50
Welland	268 65	500 00	1,020 33	208 62	249 06
Wellington	146 85	515 42	13,460 57	5,379 66	162 14
Wentworth	136 60	1,028 70	448 35	322 60	84 25
York	352 29	125 42	398 24	176 39	151 25
Totals	8,092 77	8,195 89	53,896 84	45,661 25	6,412 79

No. 8

1924

and Repair on Provincial County Roads

and ending December 31st, 1924.

Bridges (Repairs)	Re-surfacing	Oiling	Snow Roads	Wire Fence Bonus	Total Expenditure	Government Grant 60%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
102 64	28,937 33	1,264 49	1,364 82	.....	37,480 72	22,488 43
1,387 30	5,619 55	.....	2,431 81	.....	13,577 45	8,146 47
88 98	11,046 42	9,852 40	1,864 77	.....	27,059 54	16,235 72
5 83	7,827 78	25 25	860 27	.....	12,151 33	7,290 80
15 00	7,705 04	4,251 30	415 35	.....	16,374 05	9,824 43
1,060 14	32,113 81	519 25	128 85	.....	44,510 55	26,706 33
573 48	7,621 94	1,219 55	370 25	263 84	12,425 10	7,455 06
.....	7,876 06	11,165 96	494 72	126 68	21,496 65	12,897 99
.....	.....	.....	111 60	.....	750 20	450 12
.....	3,049 73	.....	1,262 53	.....	5,000 46	3,000 28
269 72	16,880 62	4,371 79	471 83	294 50	32,710 15	19,626 09
2,883 80	15,819 78	752 93	2,533 49	.....	27,716 72	16,630 03
904 94	13,114 49	489 40	309 15	.....	23,153 87	13,892 32
				Ferry		
207 44	11,602 08	223 43	423 65	533 52	20,064 97	12,038 99
339 30	2,519 38	2,694 71	64 00	4,002 39	10,014 93	6,008 95
.....	19,439 93	.....	80 00	.....	19,915 17	11,949 10
178 25	9,772 93	7,784 50	976 10	.....	18,789 02	11,273 41
.....	.....	.....	.....	.....	.....	.....
161 45	8,266 55	736 29	1,094 31	.....	14,871 20	8,922 72
				Guard Rails		
15 00	1,128 99	970 72	497 19	19 33	3,718 02	2,230 81
59 58	4,523 46	789 31	1,907 07	.....	10,257 61	6,154 57
		Calc. Chlor.				
44 05	6,381 98	713 19	1,108 57	391 15	11,210 91	6,726 55
.....	3,178 22	220 00	815 44	.....	5,633 59	3,380 15
.....	.....	.....	.....	.....	.....	.....
73 20	8,842 73	45 81	592 76	.....	10,981 63	6,588 98
.....	3,128 92	.....	221 85	.....	4,462 87	2,677 72
.....	.....	.....	292 15	.....	292 15	175 29
.....	1,661 85	6,450 53	446 40	300 00	9,030 58	5,418 35
				Guard Rails		
2 50	309 75	18,698 59	29 75	136 93	20,053 93	12,032 36
215 66	17,841 09	.....	893 02	307 15	21,601 81	12,961 08
1,725 41	30,505 50	21,460 28	2,120 67	.....	57,734 85	34,640 91
180 16	5,430 73	5,983 05	1,218 60	739 20	18,962 07	11,377 24
.....	2,418 46	125 00	1,005 89	.....	4,510 26	2,706 16
19 56	25,297 32	12,802 20	314 65	.....	40,680 39	24,408 23
1,482 66	38,770 58	858 51	2,970 27	.....	63,746 66	38,248 00
.....	3,463 56	582 50	1,966 25	.....	8,032 81	4,819 69
.....	7,482 15	1,014 21	2,136 44	.....	11,836 39	7,101 83
11,996 05	369,578 71	116,065 15	33,794 47	7,114 69	660,808 61	394,485 16

APPENDIX

SUMMARY,

Statement of Work and

(Prior to Revision

County	Work Done						
	Miles Graded	Miles Stoned	Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts
Brant	0.15		0.15			5	
Bruce	4.12				5	6	
Carleton	5.90	Asp. Con. 0.90 0.25	7.00	12	2	5	
Dufferin	2.74		2.74	18	2	35	
Elgin	0.75		0.75	58		7	
Essex							
Frontenac	2.00	2.00					1
Grey					3		
Haldimand	4.37	14.25	13.25			15	
Halton							
Hastings	2.50		3.00		1	5	1
Huron	4.75		4.50		1	3	
Kent	3.35		2.20			6	
Lambton	2.25		3.12			12	3
Lanark	1.00	1.00				2	
Leeds and Grenville	2.40	1.90	0.50	5	1	3	
Lennox and Addington		0.50	1.00			2	
Lincoln					1	2	
Middlesex	5.62		1.37			9	
Norfolk	2.42		2.17	27	2	6	
Northumberland and Durham	0.25		2.50			3	
Ontario						5	
Oxford	3.00		5.50		1	1	
Peel	2.20		3.00			7	
Perth				39		1	
Peterboro	.33		.33			1	
Prescott and Russell	15.58	13.08	4.00		1	14	3
Prince Edward					1		
Renfrew	6.80		7.30		2	13	17
Simcoe					3	5	
Stormont, Dundas and Glengarry	8.50		5.00		1	15	
Victoria	0.96		0.96			36	
Waterloo						3	
Welland							
Wellington	0.15	Concrete 0.15			4	39	5
Wentworth	2.25	2.50					1
York	0.63					14	
Totals	84 97	*36.53	70 34	159	31	280	31

*Includes:—
35.48 miles Water-bound Macadam.
0.15 miles Concrete.
0.90 miles Asphaltic Concrete.

No. 9

1925

Expenditure on County Roads

of System)

Approved Expenditure						
Roads and Culverts	Bridges	Urban Improvement	Total Construction	Maintenance	Total Approved Expenditure	Subsidy 40%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1,964 72	.....	Gravel Pits 550 00	2,514 72	2,134 51	4,649 23	1,859 69
1,143 51	8,686 76	.....	9,830 27	5,978 30	15,808 57	6,323 43
63,133 91	7,605 01	.....	70,738 92	9,747 66	80,486 58	32,194 63
10,066 06	1,641 91	.....	11,707 97	7,925 03	19,633 00	7,853 20
1,776 83	407 13	.....	2,183 96	8,637 64	10,821 60	4,328 64
736 42	.....	.....	736 42	32,239 77	32,976 19	13,190 48
4,545 35	.....	.....	4,545 35	5,668 74	10,214 09	4,085 64
374 05	4,875 40	.....	5,249 45	hold backs	5,249 45	2,293 57
.....	14,128 03	.....	14,128 03	13,205 70	27,333 73	10,933 49
57,026 13	3,429 75	.....	60,455 88	3,262 40	63,718 28	25,487 31
.....	.....	.....	.....	775 04	775 04	310 02
2,754 96	788 40	.....	3,543 36	16,227 97	19,771 33	7,908 53
10,804 93	4,481 49	.....	15,286 42	10,593 97	25,880 39	10,352 16
3,461 95	.....	850 00	4,311 95	13,002 73	17,314 68	6,925 87
5,644 59	.....	.....	5,644 59	9,472 17	15,116 76	6,046 70
4,132 69	.....	.....	4,132 69	3,070 46	7,203 15	2,881 26
14,392 78	6,517 18	2,322 60	23,232 56	22,022 39	45,254 95	18,101 98
4,657 12	.....	.....	4,657 12	2,472 91	7,130 03	2,852 01
		3,265 50	3,265 50		3,265 50	1,306 20
		Hold-back from 1924			Hold-back from 1924	
728 80	6,316 32	.....	7,045 12	4,804 37	11,849 49	4,739 80
6,766 72	.....	.....	6,766 72	9,125 47	15,892 19	6,356 88
6,900 40	4,251 49	.....	11,151 89	5,191 56	16,343 45	6,537 38
		200 00	200 00		200 00	80 00
		Hold-backs from 1922 & 1923			Hold-backs from 1922 & 1923	
2,745 16	.....	.....	2,745 16	4,267 43	7,012 59	2,805 04
507 73	.....	.....	507 73	2,778 06	3,285 79	1,314 32
6,954 70	620 00	.....	7,574 70	1,381 84	8,956 54	3,582 62
4,977 18	.....	.....	4,977 18	2,616 15	7,593 33	3,037 33
131 33	.....	.....	131 33	5,960 54	6,091 87	2,436 75
1,159 35	.....	.....	1,159 35	3,654 71	4,814 06	1,925 62
92,140 88	3,416 60	.....	95,557 48	5,125 93	100,683 41	40,273 36
.....	1,520 67	.....	1,520 67	260 30	1,780 97	712 39
24,276 67	4,733 44	.....	29,010 11	4,019 77	33,029 88	13,211 95
440 70	9,617 44	.....	10,058 14	21,767 91	31,826 05	12,730 42
31,244 07	1,168 60	.....	32,412 67	35,685 24	68,097 91	27,239 16
7,633 87	.....	.....	7,633 87	6,038 09	13,671 96	5,468 78
1,832 56	.....	.....	1,832 56	3,657 72	5,490 28	2,196 11
.....	.....	.....	.....	467 34	467 34	186 94
		4,986 25	4,986 25		4,986 25	2,991 75
9,405 33	8,114 06	.....	17,519 39	31,557 69	49,077 08	19,630 83
5,563 02	.....	.....	5,563 02	4,778 65	10,341 67	4,136 67
731 04	.....	.....	731 04	2,923 83	3,654 87	1,461 95
390,755 51	92,319 68	12,174 35	495,249 54	322,499 99	817,749 53	328,290 86

APPENDIX

SUMMARY,

Schedule of Expenditure on Maintenance

For the period beginning January 1st, 1925

(Prior to Revision

County	Brushing and Weed Cutting	Ditching and Draining	Grading	Dragging	Culverts (Repairs)
	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	21 00	32 00	.....	338 70	.....
Bruce	131 80	.....	168 45	418 22	92 10
Carleton	.....	.....	189 50	414 25	491 79
Dufferin	9 05	.....	1,507 80	502 55	67 07
Elgin	283 46	32 73	1,503 10	936 11	163 12
Essex	338 75	480 20	423 53	3,874 14	136 90
Frontenac	.....	.....	671 50	32 30	49 05
Grey	3 00	.....	598 84	1,480 44	370 50
Haldimand	255 30	.....	89 50	717 55	38 00
Halton	.....	.....	.....	90 80	54 60
Hastings	169 45	.....	1,787 43	669 79	868 11
Huron	308 85	299 03	402 45	750 83	83 05
Kent	312 15	60 50	1,062 10	2,802 83	52 50
Lambton	23 95	120 25	1,117 05	2,415 30	155 17
Lanark	.....	.....	.....	.....	.....
Leeds and Grenville	.....	.....	1,051 30	608 23	42 54
Lennox and Addington	.....	.....	.....	187 27	86 32
Lincoln	283 22	141 65	305 50	1,035 42	34 80
Middlesex	297 75	85 65	497 27	1,648 57	51 15
Norfolk	39 05	.....	444 36	314 94	49 98
Northumberland and Durham	97 77	101 83	.....	1,204 05	119 96
Ontario	45 75	.....	222 75	422 35	40 50
Oxford	27 50	101 43	274 00	43 50	.....
Peel	32 70	4 55	5 38	274 65	2 75
Perth	.....	43 35	469 97	50 20	118 61
Peterborough	9 05	383 00	292 60	396 80	206 70
Prescott and Russell	330 87	260 47	470 78	473 20	72 50
Prince Edward	.....	.....	.....	15 00	.....
Renfrew	74 25	86 87	878 40	247 55	64 85
Simcoe	.....	.....	2,124 44	729 70	341 20
Stormont, Dundas and Glengarry	423 75	.....	1,113 21	218 75	289 56
Victoria	247 75	187 85	591 85	388 85	5 90
Waterloo	5 30	.....	.....	178 75	44 30
Welland	20 90	.....	41 60	301 52	.....
Wellington	94 30	1,392 33	10,067 82	2,402 46	301 98
Wentworth	269 63	38 00	54 50	528 25	8 50
York	20 00	35 00	17 50	8 40	3 23
Totals	4,176 30	3,886 69	28,444 48	27,122 22	4,507 29

No. 10

1925

and Repair on County Roads

and ending December 31st, 1925.

of System)

Bridges (Repairs)	Re-surfacing	Oiling	Snow Roads	Wire Fence Bonus	Total Expenditure	Government Grant, 40%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	1,492 30	238 21	12 30	.....	2,134 51	853 80
136 56	4,025 54	.....	1,005 63	.....	5,978 30	2,391 33
37 80	6,568 67	1,741 40	304 25	.....	9,747 66	3,899 07
62 06	5,478 33	.....	298 17	.....	7,925 03	3,170 01
118 06	5,491 91	.....	109 15	.....	8,637 64	3,455 06
473 49	25,873 35	612 61	26 80	.....	32,239 77	12,895 90
.....	4,685 24	.....	223 65	7 00	5,668 74	2,267 50
45 36	8,557 88	.....	1,761 18	388 50	13,205 70	5,282 28
84 08	1,783 67	.....	294 30	.....	3,262 40	1,304 96
.....	565 74	.....	63 90	.....	775 04	310 02
782 78	11,090 96	582 60	276 85	.....	16,227 97	6,491 19
184 88	7,981 22	.....	583 66	.....	10,593 97	4,237 59
				Guard Rails		
635 41	8,069 74	.....	2 00	5 50	13,002 73	5,201 09
.....	5,626 95	.....	13 50	.....	9,472 17	3,788 86
82 90	2,987 56	.....	.....	.....	3,070 46	1,228 18
105 30	19,973 27	.....	58 00	183 75	22,022 39	8,808 96
20 00	1,786 90	.....	318 30	74 12	2,472 91	989 16
523 63	2,360 30	.....	119 85	.....	4,804 37	1,921 75
1,075 73	5,286 04	27 61	155 70	.....	9,125 47	3,650 19
110 35	4,093 85	.....	104 85	34 20	5,191 56	2,076 63
92 60	2,311 57	.....	339 65	.....	4,267 43	1,706 98
129 31	1,371 97	.....	411 63	133 80	2,778 06	1,111 22
72 62	738 04	.....	114 25	10 50	1,381 84	552 74
			Guard Rail	5 45		
212 84	2,053 83	.....	.....	24 00	2,616 15	1,046 46
218 32	3,659 20	826 00	574 89	.....	5,960 54	2,384 22
.....	2,000 66	.....	206 75	159 15	3,654 71	1,461 88
.....	830 83	2,365 40	321 88	.....	5,125 93	2,050 37
.....	24 50	.....	220 80	.....	260 30	104 12
272 25	1,939 60	382 25	73 75	.....	4,019 77	1,607 90
183 45	16,768 24	.....	1,050 10	570 78	21,767 91	8,707 16
421 58	31,166 35	1,657 17	394 87	.....	35,685 24	14,274 09
122 76	3,604 36	493 45	190 17	205 15	6,038 09	2,415 23
.....	2,820 77	.....	608 60	.....	3,657 72	1,463 09
.....	.....	.....	103 32	.....	467 34	186 94
				Guard Rails		
290 14	14,128 59	195 67	2,116 50	567 90	31,557 69	12,623 08
.....	3,044 67	419 26	415 84	.....	4,778 65	1,911 46
.....	2,791 20	.....	48 50	.....	2,923 83	1,169 53
6,494 26	223,033 78	9,541 63	12,923 54	2,369 80	322,499 99	129,000 00

APPENDIX

SUMMARY,

Statement of Work and Expenditure

County	Work Done						
	Miles Graded	Miles Stoned		Miles Gravelled	Tile Drain Rods	Bridges	Pipe and Tile Culverts	Other Culverts
Brant	9 40			9 30		2	52	3
Bruce	17 37			38 12		9	46	5
Carleton	12 96	Bit. Mac.	2 75 3 46	12 25	122	2	75	16
	1 10			0 30	2 hold-backs			
Dufferin	6 23			7 95	37	1	48	1
Elgin	6 50		4 50	2 00	511	1	26	5
Essex	14 75	Concrete	9 00	2 25	588	2	6	4
Frontenac	6 25		4 50	1 75		1	12	2
Grey	20 53			19 53		1	4	40
Haldimand	4 00		39 25	1 50		2		3
Halton	1 00						3	
Hastings	25 30	Asp. Con.	10 25 3 30	13 75	40	11	101	8
Huron	14 50			13 50		11	2	6
Kent	22 56	Concrete	1 25 2 42	14 08	216	5	55	
Lambton	7 62		9 59	2 50	1,000	3	20	12
Lanark	9 25	Bit. Mac.	2 75 6 00	0 50		2	2	73
Leeds and Grenville	9 70		8 75	2 20	9	2	24	
Lennox and Addington	5 12		6 00				21	2
Lincoln						1	37	8
Middlesex	24 45	Concrete	3 20	3 75	551	2	40	14
Norfolk	15 47			18 22	82		32	2
Northumberland and Durham	12 78			18 28		5	70	2
Ontario	9 07		0 33	0 17		3	100	8
Oxford	21 25			30 00	180	2	20	
Peel	17 60			18 10		6	69	3
Perth	1 98			1 98	66	1	4	
Peterboro	4 82		0 66	2 66			37	8
Prescott and Russell	27 08		12 75	17 33			15	
Prince Edward	5 88		5 63				94	1
Renfrew	7 42			7 42			32	12
Simcoe	12 93			15 43		7	15	4
Stormont, Dundas and Glengarry	9 50	Bit. Mac.	25 00 2 00	4 00		2	28	
		Asp. Con.	0 54					
Victoria	5 18	Asp. Con.	1 15 0 47	4 03	31	3	110	
			0 34					
Waterloo	9 62	Concrete	3 53	1 00	131		17	3
Welland	4 20	Asp. Con.	4 05 0 15		14		15	4
Wellington	7 16	Concrete	2 16	5 00	36	6	63	3
Wentworth	17 12	Bit. Mac.	13 87 1 50	1 00	231	2	17	6
		Concrete	1 00					
York	45 18	Bit. Mac.	12 86 9 81	4 89	40	3	104	12
		Concrete	0 35					
		Asp. Con.	10 56					
Totals	452 83		*225 68	294 74	3,885	98	1,416	270

*Includes:—
166 23 miles Waterbound Macadam.
21 66 " Concrete.
22 77 " Bituminous Macadam.
15 02 " Asphaltic Concrete.

No. 11

1925

on County Roads (Revised System)

Approved Expenditure

Roads and Culverts	Bridges	Machinery and Repairs	Urban Improvement	Purchase of Gravel Pits	Superintendence	Total Construction	Maintenance	Total Approved Expenditure	Subsidy 50%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
38,359 67	1,416 29	19,287 20	.....	314 20	4,279 07	63,656 43	40,197 22	103,853 65	51,926 83
62,147 57	22,820 34	10,431 00	19,943 68	.....	4,281 78	119,624 37	30,752 94	150,377 31	75,188 66
168,815 35	10,482 59	4,894 05	.....	3,017 50	10,564 24	197,773 73	57,049 63	254,823 36	127,411 67
110,331 31						1,033 31	2 hold-backs	1,033 31	538 01
21,025 64	1,360 03	1,621 58	3,386 34	.....	2,790 68	30,184 27	17,111 20	47,295 47	23,647 74
19,555 02	2,664 71	13,259 02	8,330 27	.....	3,468 66	47,277 68	67,088 61	114,366 29	57,183 15
275,200 76	4,898 65	8,497 25	10,735 25	1,517 80	4,323 38	305,173 09	108,350 71	413,523 80	206,761 90
15,299 42	911 05	1,936 27	.....	.....	1,999 22	20,145 96	33,825 35	53,971 31	26,985 65
82,840 16	595 88	2,744 87	5,109 19	.....	4,271 26	95,561 36	24,686 64	120,248 00	60,124 01
111,975 34	2,720 80	1,693 11	.....	.....	3,050 36	119,439 61	17,785 26	137,224 87	68,612 44
			9,748 86	Hold-back	from 1924	9,748 86		9,748 86	3,899 54
2,652 72	.....	151 51	.....	.....	2,026 00	4,830 23	27,135 02	31,965 25	15,982 62
148,093 90	14,508 34	4,856 29	.....	.....	3,740 65	171,199 18	61,486 83	232,686 01	116,343 00
38,656 42	12,106 55	3,991 75	15,670 58	450 00	4,562 14	75,437 44	68,596 08	144,033 52	72,016 77
113,463 76	74,460 93	14,195 02	30,958 61	.....	4,216 79	237,295 11	54,592 39	291,887 50	145,943 75
41,558 56	14,026 88	6,268 38	7,683 04	1,300 00	3,796 67	74,633 53	56,966 73	131,600 26	65,800 13
105,589 80	25,620 02	4,272 57	.....	.....	2,633 21	138,115 60	34,344 32	172,459 92	86,229 96
47,059 47	4,772 77	998 90	13,995 44	.....	3,051 49	69,878 07	23,118 86	92,996 93	46,498 47
29,896 48	.....	8,116 26	6,688 73	.....	2,025 99	46,727 46	33,222 52	79,949 98	39,974 99
14,915 95	6,544 91	4,838 59	5,060 10	.....	4,853 27	36,212 82	41,326 70	77,539 52	38,769 77
96,124 96	2,284 65	7,726 91	3,000 00	.....	4,413 04	113,549 56	70,897 76	184,447 32	92,223 66
60,823 82	.....	8,215 09	5,700 00	.....	3,697 73	78,436 64	54,381 39	132,818 03	66,409 01
36,233 18	11,108 36	5,656 02	11,113 03	.....	3,959 97	68,070 56	24,912 96	92,983 52	46,491 75
22,996 27	9,768 72	2,030 45	.....	.....	4,647 37	39,442 81	31,055 80	70,498 61	35,249 30
32,228 36	5,778 84	8,014 96	.....	.....	2,659 96	48,682 12	24,427 75	73,109 87	36,554 94
52,964 53	10,167 15	3,004 82	.....	.....	3,491 80	69,628 30	20,955 78	90,584 08	45,292 04
4,078 70	2,235 00	2,231 95	.....	.....	.....	8,545 65	22,638 98	31,184 63	15,592 32
25,321 93	.....	1,439 64	.....	.....	2,119 00	28,880 57	23,044 54	51,925 11	25,962 56
14,306 93	.....	768 17	3,300 00	.....	2,994 43	150,125 53	16,833 93	166,959 46	83,479 72
29,378 63	.....	6,217 84	.....	.....	2,193 95	37,790 42	22,833 87	60,624 29	30,312 15
42,920 76	.....	3,367 07	19,035 00	.....	5,735 18	71,058 01	27,369 55	98,427 56	49,213 77
35,935 20	16,513 02	1,852 40	23,250 82	.....	4,333 24	81,884 68	62,042 12	143,926 80	71,963 40
133,285 98	2,928 25	632 00	5,535 37	.....	4,620 59	147,002 19	151,669 73	298,671 92	149,335 96
62,308 59	6,748 50	9,864 08	28,921 67	.....	4,858 98	112,701 82	35,841 54	148,543 36	74,271 68
124,326 12	.....	6,683 48	17,219 95	.....	4,119 33	152,348 88	23,527 83	175,876 71	87,938 36
50,055 69	.....	4,526 48	7,522 60	.....	3,933 40	66,038 17	135,452 07	201,490 24	100,745 12
			88,436 62	Supplementary paymt		88,436 62		88,436 62	44,218 31
63,267 63	7,752 39	3,695 00	.....	.....	3,214 56	77,929 58	91,838 98	169,768 56	84,884 28
148,399 44	4,670 84	9,440 15	1,431 42	.....	6,455 17	170,397 02	28,227 39	198,624 41	99,312 20
552,186 68	16,434 26	11,618 89	11,621 04	.....	8,185 74	589,589 61	60,605 68	650,195 29	325,097 65
3,054,038 70	296,300 72	198,582 02	363,397 61	6,599 50	145,568 30	4,064,486 85	1,726,194 66	5,790,681 51	2,894,387 24

APPENDIX

SUMMARY,

Schedule of Expenditure on Maintenance

For the period beginning January 1st, 1925

County	Brushing and Weed Cutting	Ditching and Draining	Grading	Dragging	Culverts (Repairs)
	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	849 45	1,247 55	.....	6,335 00	28 80
Bruce	559 10	.....	2,423 11	4,296 80	246 42
Carleton	1,464 89	4,303 96	1,835 49	776 81	747 00
Dufferin	31 20	8 21	1,619 76	2,140 76	150 92
Elgin	1,292 39	469 98	6,687 06	5,987 06	890 99
Essex	1,256 91	3,359 35	2,549 51	10,965 22	741 75
Frontenac	270 93	.....	1,357 40	4,175 15	561 53
Grey	156 29	46 00	1,848 11	4,202 81	795 47
Haldimand	446 20	.....	633 35	1,589 15	240 89
Halton	.....	.....	829 53	1,497 74	600 52
Hastings	985 75	.....	7,243 55	3,540 24	1,564 47
Huron	1,326 23	1,641 67	3,320 45	7,682 41	1,606 71
Kent	1,710 88	1,455 00	2,312 70	12,814 66	539 94
Lambton	568 05	1,712 31	3,670 00	15,098 19	2,759 37
Lanark	1,575 44	.....	3,512 88	.....	1,879 42
Leeds and Grenville	10 00	294 40	1,420 04	194 20	32 05
Lennox and Addington	32 70	13 00	.....	476 65	299 65
Lincoln	1,997 13	1,001 38	.....	2,204 91	1,263 97
Middlesex	1,934 58	1,453 75	2,420 89	13,959 10	651 07
Norfolk	783 99	.....	3,496 38	3,063 65	801 66
Northumberland and Durham	287 88	852 84	.....	6,456 57	445 95
Ontario	742 66	310 10	1,621 25	4,116 69	261 00
Oxford	632 55	1,612 24	1,234 71	1,906 84	1,842 31
Peel	315 68	178 50	1,107 99	1,673 52	1,076 41
Perth	113 90	353 17	3,327 03	701 93	109 47
Peterborough	66 45	192 75	772 80	3,954 24	231 17
Prescott and Russell	729 18	225 65	1,443 51	819 75	458 16
Prince Edward	138 14	.....	230 00	91 50	53 07
Renfrew	637 11	141 50	2,159 41	1,052 00	776 66
Simcoe	.....	.....	7,802 75	3,499 71	739 31
Stormont, Dundas and Glengarry	3,061 08	.....	5,789 54	1,215 22	956 88
Victoria	1,035 18	490 10	2,876 24	3,419 18	230 03
Waterloo	159 15	211 00	2,181 15	1,296 96	362 55
Welland	849 88	1,055 80	4,391 47	56 25	395 97
Wellington	482 36	615 31	12,846 93	13,271 50	1,172 55
Wentworth	1,674 86	2,147 94	654 50	2,266 20	696 06
York	2,584 12	1,486 92	1,722 69	1,615 97	396 10
Totals	30,762 29	26,880 38	97,342 18	148,414 54	26,606 25

No. 12

1925

and Repair on County Roads (Revised System)

and ending December 31st, 1925.

Bridges (Repairs)	Re-surfacing	Oiling	Snow Roads	Wire Fence Bonus	Total Expenditure	Government Grant, 50%
$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
.....	29,697 49	1,139 61	276 30	Guard Rails 623 02	40,197 22	20,098 61
526 20	18,405 85	.....	4,295 46	.....	30,752 94	15,376 47
2,374 53	25,564 41	14,345 97	5,636 57	.....	57,049 63	28,524 81
113 51	11,802 44	.....	1,048 64	Guard Rails 195 76	17,111 20	8,555 60
306 24	46,053 44	3,973 51	1,427 94	.....	67,088 61	33,544 31
2,233 49	85,205 51	2,038 97	.....	.....	108,350 71	54,175 36
				Guard Rails 304 46		
.....	10,498 45	15,637 15	505 49	514 79	33,825 35	16,912 67
199 07	13,858 34	505 75	2,633 90	440 90	24,686 64	12,343 32
80 13	14,119 04	.....	676 50	.....	17,785 26	8,892 63
1,818 99	21,987 04	.....	355 02	Guard Rails 46 18	27,135 02	13,567 51
2,255 45	34,304 05	10,297 22	1,296 10	.....	61,486 83	30,743 42
2,081 57	43,380 04	623 07	3,632 09	3,301 84	68,596 08	34,298 04
		Ferry		Guard Rails		
3,809 71	30,202 83	1,346 06	143 20	257 41	54,592 39	27,296 19
129 05	32,314 88	589 50	125 38	.....	56,966 73	28,483 37
2,733 04	14,680 64	2,786 99	50 00	7,125 91	34,344 32	17,172 16
455 53	15,224 13	5,488 51	.....	.....	23,118 86	11,559 43
455 57	16,566 73	14,276 83	828 40	272 99	33,222 52	16,611 26
.....	21,938 17	10,721 45	2,199 69	.....	41,326 70	20,663 35
2,104 27	41,771 49	5,087 85	1,514 76	.....	70,897 76	35,448 88
				Guard Rail 61 23		
346 08	43,782 53	1,101 39	944 48		54,381 39	27,190 69
319 05	14,392 97	627 35	1,530 35	.....	24,912 96	12,456 48
143 01	18,401 56	2,312 49	2,106 71	1,040 33	31,055 80	15,527 90
				Guard Rail 200 16		
836 84	11,910 73	2,496 68	1,562 94	191 75	24,427 75	12,213 87
				Guard Rail		
91 13	12,299 97	4,188 36	10 00	14 22	20,955 78	10,477 89
128 43	14,564 07	852 11	2,488 87	.....	22,638 98	11,319 49
2,888 69	13,911 19	100 00	738 46	188 79	23,044 54	11,522 27
.....	3,753 50	8,285 71	1,118 47	.....	16,833 93	8,416 96
	1,490 75					
173 63	3,261 30	16,181 43	1,214 05	.....	22,833 87	11,416 93
588 26	5,017 89	16,568 27	160 85	267 60	27,369 55	13,684 77
747 84	44,924 11	.....	2,706 50	1,621 90	62,042 12	31,021 06
				Guard Rails		
2,932 49	82,789 38	51,330 82	2,966 38	627 94	151,669 73	75,834 86
66 13	17,584 39	7,378 89	1,206 60	1,554 80	35,841 54	17,920 77
2,642 38	13,781 93	443 50	2,449 21	.....	23,527 83	11,763 92
397 60	84,386 79	40,842 34	3,075 97	.....	135,452 07	67,726 04
				Guard Rails		
2,306 16	52,821 36	861 93	7,271 90	188 98	91,838 98	45,919 49
565 57	8,869 65	7,318 09	4,034 52	.....	28,227 39	14,113 69
294 68	45,685 48	3,878 22	2,941 50	.....	60,605 68	30,302 84
37,144 32	1,021,204 52	253,626 02	65,173 20	19,040 96	1,726,194 66	863,097 31

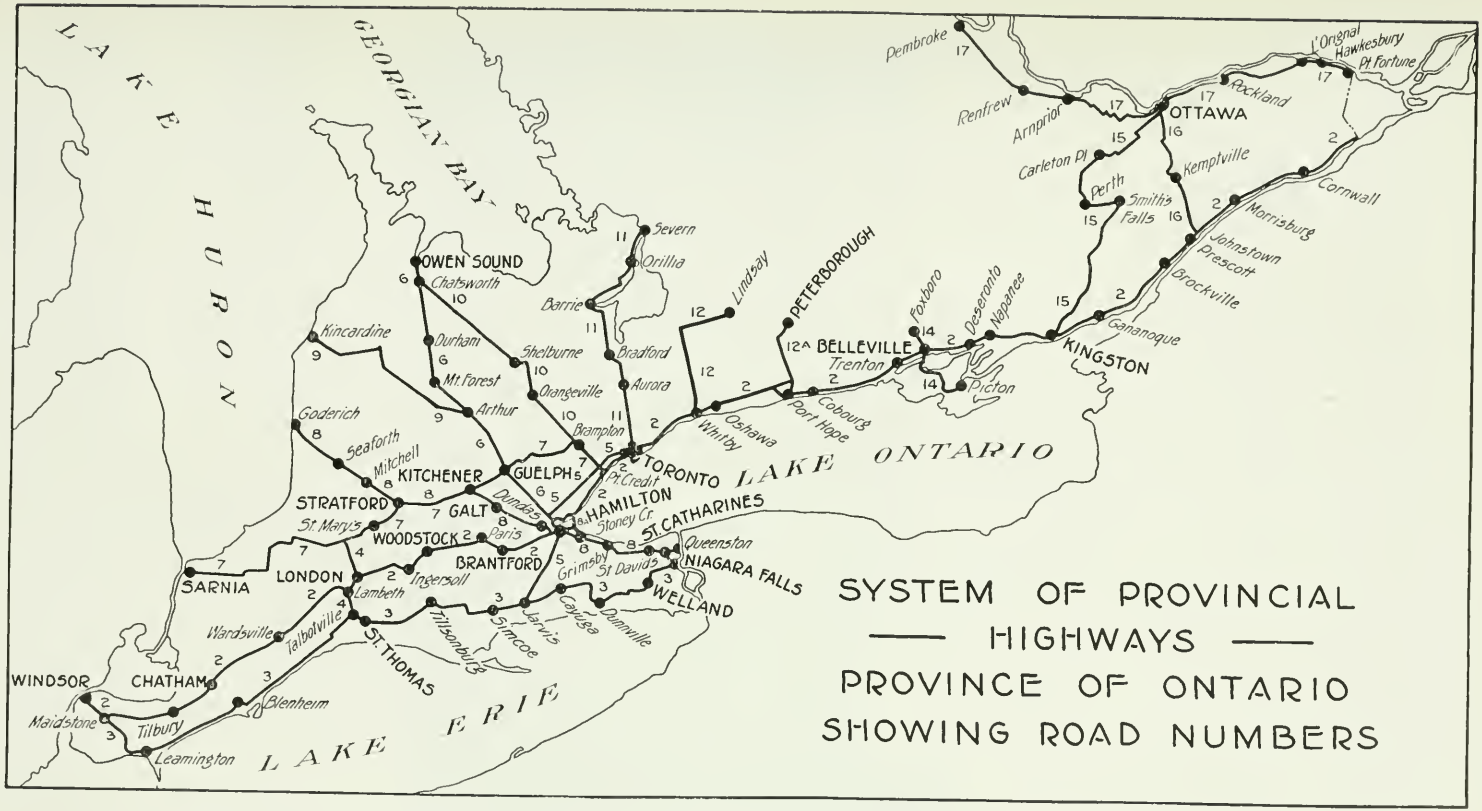
APPENDIX No. 13

SUMMARY, 1923, 1924 and 1925

Expenditure on Township Roads

The following schedule shows in detail the work and approved expenditure on Township Roads during the years 1923, 1924 and 1925, and upon which Provincial subsidies were paid in 1924, 1925 and 1926, under the provisions of The Ontario Highways Act.

Year	General Expenditure								Superintendence		Total Approved Expenditure	Total Government Grant
	Number of Townships	Roads and Culverts	Bridges	Maintenance	Machinery	Purchase of Gravel Pits	Approved Expenditure	Government Grant 20% and 30%	Approved Expenditure	Government Grant 40% and 50%		
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
1923....	315	665,101 32	420,451 17	1,720,273 23	82,020 62	30,453 57	2,918,299 91	583,659 65	75,945 31	30,378 23	2,994,245 22	614,037 88
1924....	320	725,631 40	334,348 63	1,861,036 56	95,758 21	12,727 08	3,029,501 88	605,900 35	82,599 41	33,039 76	3,112,101 29	638,940 11
1925....	272	930,129 31	249,633 82	1,720,775 30	121,874 98	7,886 11	3,030,299 52	906,559 91	164,146 58	82,073 38	3,194,446 10	988,633 20



The total mileage of the Provincial Highways System at the end of 1925 was 1861.31, the mileage being divided as follows:

Cement Concrete Pavement	355 miles
Asphaltic Concrete Pavement	175 "
Bituminous Penetration Pavement	139 "
Macadam Roadway	372 "
Gravel Road	820.31 "
Total	1861.31 miles

Report on Provincial Highways

Report upon the work of constructing and maintaining the Provincial Highway System for the years 1923, 1924 and 1925

R. M. SMITH, Chief Engineer of Highways.

DEVELOPMENT OF PROVINCIAL HIGHWAYS

When considering the development of Provincial Highways, a very considerable amount of credit due for their conception must be given to Mr. C. A. Magrath, Chairman of the Hydro-Electric Power Commission. Mr. Magrath as chairman of the Highway Commission in 1914 assisted by his commission made certain recommendations to the Government at that time. These recommendations make interesting reading at a period twelve years later.

Subway paved with asphaltic concrete, eastern entrance to City of Toronto on Interprovincial Highway.

Some of the outstanding recommendations were as follows:—

First. Appointment of a permanent advisory commission acting without remuneration.

Second. Appointment of suburban commissions and establishing of suburban areas around cities.

Third. That provincial assistance should be given on interurban roads.

Fourth. Special consideration of main markets or county roads.

Fifth. Assistance to township roads as feeders to main market roads.

Sixth. Statute labour to be abolished or commuted.

METHOD OF FINANCING RECOMMENDED

In connection with recommendation regarding various classifications as mentioned above, the suggestion was put forward that the Province embark on a definite fifteen years' policy. The work to be done being of a permanent nature, as far as possible provision to be made to ensure efficient maintenance of these roads as they were built. The total capital expenditure proposed over this period to be $30,000,000, the annual expenditure to be approximately $2,500,000.

It was also proposed that the Government undertake the development of the Highway Department, adding such engineers, etc., as would be required to thoroughly investigate the general conditions throughout the Province, this investigation to include the study of main highways, feeders to same, available road materials, traffic conditions, etc.

The commission recommended further in their report, that the financing of the various highways they were considering should be as follows:—

Suburban roads: The city thirty per cent.
The county thirty per cent.
The province forty per cent.

Interurban roads to be treated as interurban roads within suburban road areas, but outside of same the county to assume one-third of their cost, the Province to pay two-thirds, providing this amount was less than $12,000 per mile.

On County or Market Roads—Sixty per cent. to be paid by County, forty per cent. to be paid by Provinces.

On the Township roads or feeders to market roads, it was proposed that the Province assist the municipalities to approximately twenty per cent. of the expenditure on these roads.

In the study of Provincial Highway development from 1914 to the present it is remarkable how closely the recommendations of Mr. Magrath and his assistants have been carried out.

TORONTO-HAMILTON HIGHWAY

During the summer of 1914, the Department's organization was increased very materially, sufficient staff being added to take care of surveys and investigations recommended by the commission. The Toronto-Hamilton Highway coming within the classification of interurban roads was given first consideration, being as it was, the heaviest travelled road in the Province. War was declared, however, while surveys and other investigations were under way, with the result that all work was stopped. The Toronto-Hamilton Highway survey was completed in the winter of 1915, however, as the unemployment situation was sufficiently acute to demand very serious consideration. Later the same winter, work was started on actual construction. This road, 35 miles in length and built of concrete, was constructed generally by day labour and was completed in 1917. No other highway work was undertaken until the end of the war except very necessary maintenance.

PROVINCIAL HIGHWAY ACT, 1917

The Provincial Highway Act was passed in 1917 permitting the Government to designate certain main roads as trunk highways, assuming control of same, including construction and maintenance. The first roads selected were from Toronto to Quebec border, Prescott to Ottawa, Niagara Falls to Hamilton, and Hamilton to London, a total distance of 417.64 miles. Work was commenced on these roads the fall of 1918, directly Armistice was signed, surveys having been completed earlier in the same year. The progress of the work on the roads under construction was fair, the work generally being done by returned men, this class of labour appealing to the unsettled veteran. With the increase in motor traffic, however, it was felt that the progress of the construction was not sufficiently fast, and as a result in the fall of 1919 and the spring of 1920 many contracts were let. In the latter year the Provincial Highway System was also increased to 1,830 miles, the object being to lay out a system of main trunk roads that would reach every important centre in the Province.

PROGRESS OF PROVINCIAL HIGHWAY CONSTRUCTION

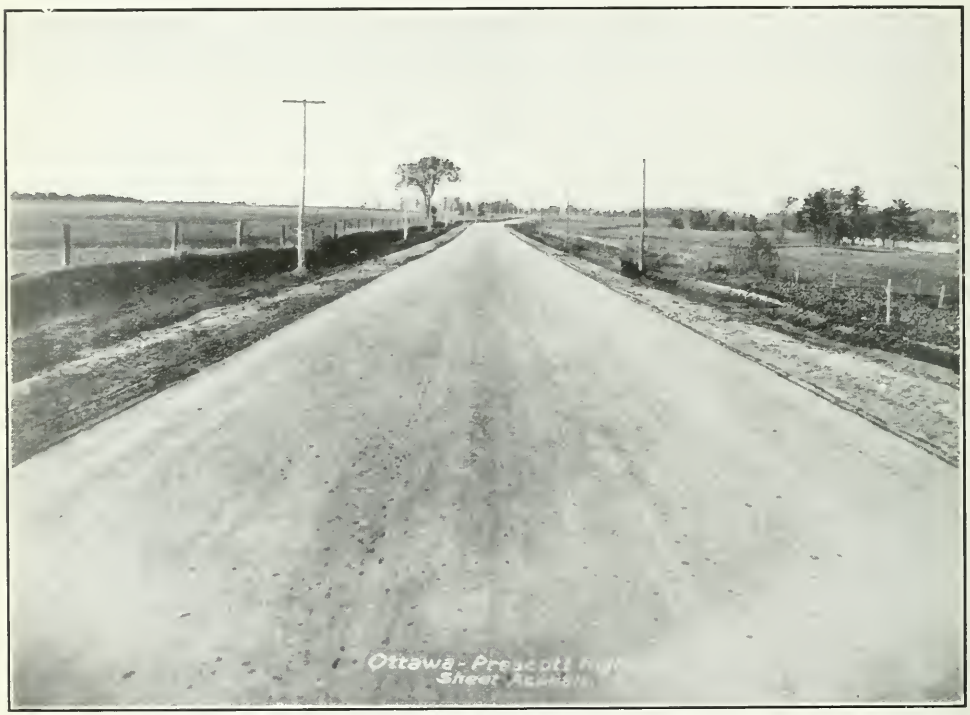
Work on the Provincial Highways has been prosecuted with extreme vigour, especially since the year 1920, with the result that the entire system of 1,830 miles is nearing completion. As a matter of fact at the termination of work the fall of 1925, 320.9 miles of concrete, 174.6 miles of asphaltic concrete, 139.2 miles of bituminous penetration, 361.32 miles of macadam and 829.1 miles of gravel road has been built. This amount of construction entailing as it did the expenditure of $45,970,921.04 over the five years mentioned is far beyond the fondest dreams of the original highway commission, and when we speak of the above expenditure we have the Provincial Highways, only, in mind. The Toronto-Hamilton Highway not being included. While we are considering expenditure, it is possibly not out of place to mention the assistance the Province has received from the Federal Government.

FEDERAL AID

In 1919, the Federal Government voted for highway purposes the sum of $20,000,000. Of this amount the Province of Ontario was to receive $5,877,275.00. On the basis of this assistance, the Provincial Government which has previously been paying 70 per cent. of the cost of the Provincial Highways, increased their proportion to 80 per cent. the Federal allowance being used at the rate of 40 per cent. of the cost of the work. The progress made on Provincial Highways was so rapid, however, that the Province had earned their share of the allotment by the end of 1922. Since that time the Province has been obliged to bear 80 per cent. of the cost of all Provincial construction.

CHANGE IN DESIGN AND TYPE OF CONSTRUCTION

Provincial Highway construction has been continuously improving since its inception in 1918. Fortunately the Government adapted the plan of moving slowly at the beginning. The original plan called for an 86-foot right of way irrespective of location, that all grades should be reduced to 5 per cent., that the width of pavement to be 18 feet and the width of grade from shoulder to shoulder 30 feet, the alignment of the road to follow as nearly as possible its original location. The policy of widening to 86 feet in width in the northern and outlying sections of the Province has been discontinued, the Department accepting a 66-foot right-of-way as being adequate to accommodate all public utilities and give plenty of width for roadway for many years to come. Snow is not a serious question on these roads, as it is unlikely that an effort will be made to keep them open for motor traffic for some time. It is also felt that should the time come when the motorist will demand that the road remain open the year round, the construction of a wire fence on the 66-foot line will facilitate the removal of snow as readily as the 86-foot line. The Department also has on these outlying sections a narrower area to maintain as far as weed removal is concerned. Experience has also taught the officials in charge of highway work through traffic census, that heavy trucking is limited almost entirely to the congested areas; that no



Provincial Highway south of Ottawa.

objection can be raised on a large percentage of highways to a 6 or 7 per cent. grade, (the latter, however, is now accepted as the limiting grade). It is also of interest to note at this point, the development in width of pavement. At the commencement of the construction of the Toronto-Hamilton highway with concrete in 1914, a width of 18 feet was considered sufficient to take care of traffic for the lifetime of the pavement. Accidents on this section of highway, as compared with the Toronto-Hamilton highway via Dundas Street, which is 20 feet wide, has clearly indicated the wisdom of constructing the pavement wider, particularly when the cost of the extra width is considerably less than the advantages gained. Appreciating the congestion of suburban limits, the Department has recently constructed the western approach to the city of Hamilton 30 feet wide, the western approach to the city of Toronto 30 feet wide and the eastern approach to Toronto 42 feet wide. Parallel routes have also been located between Toronto and Hamilton to relieve and prevent congestion.

SAFETY OF HIGHWAYS

With an increase in traffic amounting to over 1,000 per cent. on Provincial Highways since 1914, comes the study of the construction of these highways with a view to carrying this traffic

over their surface with safety and with speed. At the time of constructing the Toronto-Hamilton highway, the suggestion that the pavement at curves should have considerable super-elevation, or that the curves should be much flatter or eliminated, would have been received with considerable disfavour. As a matter of fact, many objections were raised to its construction, the stand being that it was built to accommodate a few wealthy motorists who lived either in Toronto or Hamilton. The prejudice felt by many people at that time toward a hard surface road has long since passed. People now demand a high type of road built on safe and sane lines. The Government with the thought of safety in carrying the traffic now on the highways have expended considerable sums of money trying to protect this traffic. Curves have been eliminated as far as possible and where impossible to remove, the pavement has been widened and super-elevated to provide for a speed considerably in excess of that allowed by law. The curves where they still exist are also protected by guardrail and in addition the motorist is warned by symbol signs placed three hundred feet from beginning of curves, indicating the direction of the turn. These symbol signs, not only placed at curves but at cross-roads, intersecting roads, narrow bridges, railroads, etc., have proven their worth and we believe are considered by the motorist as a real help in driving, particularly at night. Protection is also being provided by the widening of heavy fills and the generous construction of guard rail at all dangerous points.

The Government is also making real progress in the elimination of railway level grade crossings. To date four level crossings have been totally removed by the construction of subways and sixteen partially eliminated. In the latter case the Department has by relocating the highway, prevented all provincial traffic from crossing the railway tracks. The programme of the Government at the present time calls for a very considerable expenditure toward the removal of these dangerous crossings. In the meantime, however, through co-operation with the railway companies, wig-wags, electric bells, gates, etc., are being installed to protect the traffic until such time as more permanent construction can be undertaken. At an inter-provincial conference held in Ottawa in December, 1925, the provinces were assured by representatives of the Dominion Government, that consideration would be given to amending the Dominion Railway Act to permit of much greater assistance being secured when grade separation was under consideration through the Grade Crossing Fund.

TYPE OF PAVEMENT VARIES

In the construction of pavement on Provincial Highways, the government has been guided largely by traffic conditions, but the availability of local materials has affected to a considerable extent actual construction. The stand taken by the Department is that use should be made of the local materials and the construction programme is generally prepared having this condition in mind. These materials must of course be properly treated but the results obtained in the past indicate that the Department's policy has been justified.

In conclusion the government has taken the stand on Provincial Highway construction that the class of work will be of such type as will equal that of any province or state in America. In the laying of concrete, asphalt, penetration or macadam pavement, instructions have been issued to get plenty of body into the construction, to build for the future, to build safe roads, to put character and permanency into the work. In this connection the Government owes a vote of thanks to the contractors who have handled the work. Many of the firms who are successful contractors with the Department at the present time, began on highway work within recent years. They have taken a pride in their work, made an honest endeavour to live up to instructions and specifications of the Department. The work will remain as a monument to them for many years to come.

We are sure that the original commission could they spare the time to investigate the Highway Department and its work at the present time would feel a real sense of pride in its accomplishments. The recommendations made by the commission have been carried out with very slight variations. The war interfered with the work for five years but no complaint can be registered against the progress made since 1919. At that time only 42 miles of highway had been completed, whereas to-day nearly 1,000 miles have been built, an average of approximately 150 miles per year. Traffic census and motor car registration indicate that we can expect double present day traffic and 100 per cent. increase in motor car registration by 1931. Additional highways must be built to carry this traffic and avoid congestion. The indications are that the Department can expect to build at least an average of 175 miles of Provincial Highway at a total outlay of approximately $10,000,000 per annum for many years to come.

The last Government report on the Provincial Highways published in 1923, dealt with the Provincial Highways from their inauguration in 1917 up to the end of the 1922 construction period, during which time the work consisted for the most part of culvert construction and grading operations.

1923

In 1923 upwards of 750 culverts were constructed or extended to suit the widened road surface, also 17 new bridges were erected and a mileage in excess of 350 miles of new grading was completed, about 46 miles of cement concrete pavement was laid, 65 miles of asphaltic concrete was laid on 6-inch concrete base, asphaltic black base or macadam base, 15 miles of bituminous penetration macadam and 114 miles of two-course macadam roadway and macadam base. On

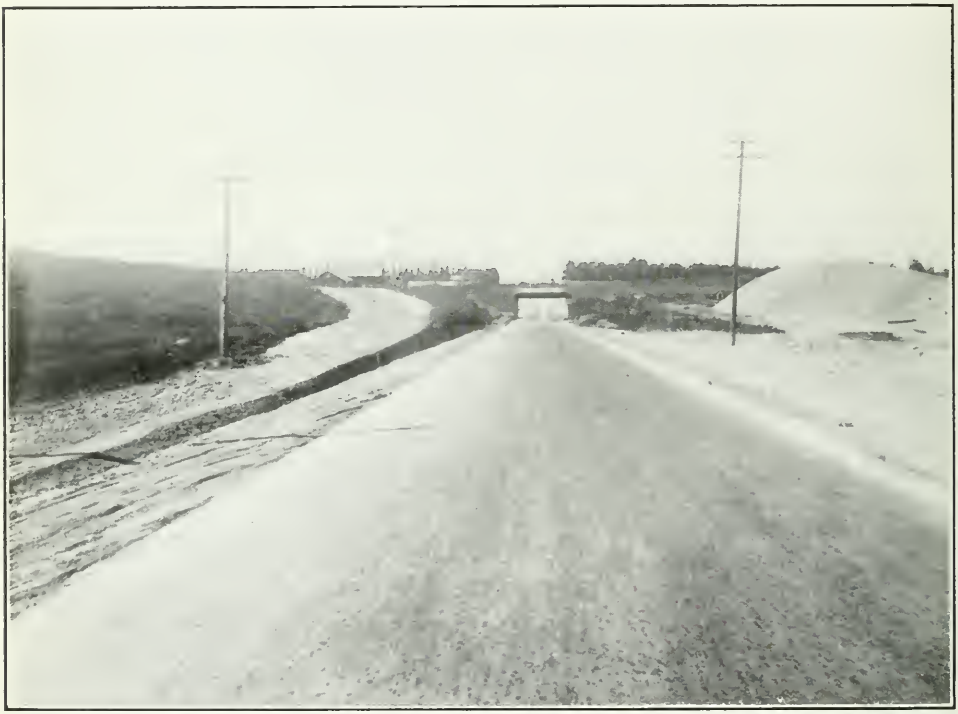
the sections of the Highways not under construction, systematic methods of maintenance were continued. Gravel surfaces received applications of new gravel where required and were constantly dragged and macadam surfaces were given a surface coat of road oil or refined tar.

During 1923 asphaltic concrete pavement was laid on Dundas Street from just west of Cooksville to Clappison Corners and south from Clappison's Corners to Hamilton was paved with concrete; this completed the hard surface between Toronto and Hamilton via Dundas Street. Between Port Credit and Cooksville an asphaltic concrete pavement was laid connecting the Hamilton Highway and Dundas Street.

The pavement on Yonge Street was extended north from Toronto as far as Richmond Hill.

Concrete pavement was laid between Brantford and Paris and also between Ingersoll and Woodstock, and an important piece of concrete was laid on the Burlington Beach Road from the Brant House.

A very important piece of construction was the subway at Binkley's Corners and with the several small concrete sections laid at the Subway and Dundas entrance completed the pavement between Kitchener and Hamilton.



Subway south of Aurora on Toronto-Severn Provincial Highway, paved with asphaltic concrete

Extensive grading operations were done between Guelph and Brampton and the Norval Bridges started. Also the section from Barrie to Severn Bridge was graded and gravel or macadam surface was applied throughout. Grading was completed between Arthur and Kincardine with the exception of a short section north of Mildmay, also the grading from Ottawa to Pembroke, excepting short sections at Carp and Renfrew. Grading and surface gravelling was carried out from Stratford to Pavement east of Sarnia.

Hamilton and Niagara Falls were connected up with a hard surface road, also hard surface was completed between Deseronto and Gananoque.

A detailed schedule of construction is given in Appendix 14 and schedules of expenditures by counties, cities and separated towns in Appendices Nos. 17, 18 and 19.

1924

In 1924, 50 culverts were constructed and extensions were added to many existing culverts that were too narrow, also 13 bridges were built; about 70 miles of new grading was completed; a very considerable mileage of hard surface was laid; 70 miles of cement concrete pavement in the construction of this type of pavement wayside pits were largely used; 19 miles of asphaltic

concrete, nearly all on a 6-inch concrete base; 26 miles of bituminous penetration pavement and over 70 miles of two-course waterbound macadam. Systematic maintenance operations were carried on throughout the whole Highway System during the year.

During the 1924 construction season the Humber River Bridge was completed and the western approach to the City of Toronto was paved and opened for traffic. On the Kingston Road, asphaltic concrete pavement was laid between Oshawa and Bowmanville and 4 miles of cement concrete pavement from Belleville easterly. Concrete pavement was laid westerly from Lambeth to Delaware and also 11¼ miles of concrete from Ingersoll westerly, which, with the exception of 6 miles west of Paris, made a continuous stretch of pavement from Hamilton through London to Delaware Village.

Concrete pavement was laid between New Hamburg and Shakespeare and the gap between Kitchener and Petersburg completed, so that with the exception of 6 miles east of New Hamburg, hard surface is continuous from Kitchener to Mitchell.

Construction of 5¼ miles of cement concrete south from Essex made the concrete pavement continuous from Windsor to Cottam, a distance of over 20 miles.

Asphaltic concrete pavement near Tansley on the Dundas Provincial Highway.

A two-course waterbound macadam, laid from Caledonia to Jarvis, completed the hard surface from Hamilton to Jarvis. Twenty miles of macadam were laid between Wendover and Hawkesbury on the Ottawa-Point Fortune Road which made the hard surface continuous from Ottawa to Hawkesbury.

A detailed schedule of construction is given in Appendix No. 15, and the schedules of expenditures by counties, cities and separated towns in Appendices Nos. 17, 18 and 19.

1925

In 1925 an extensive programme of construction was carried out on the Provincial Highway System and at the same time a greatly increased programme of maintenance was underway. All the gravel roads throughout the system were renewed where necessary and continuous dragging operations were carried out, also gravel dust layer and calcium chloride was used to allay the dust nuisance. Over 200 miles of macadam roadway was surface treated partially by contract and the balance by day labour. Extensive weed cutting operations, shoulder maintenance, patching of hard surface roads, tile drainage construction and guard rail erection were among the varied types of maintenance work carried out on the various residences of the Highway System.

An important feature of Provincial Highway work lay in the fact that all the Provincial Highways were numbered and numerous signs placed at vantage points along the route.

Symbol signs indicating cross-roads, curves ordinary and reverse were placed three hundred feet in advance of all points affected.

The construction work done in the 1925 construction season may be briefly summarized as follows:

Fourteen and one-half miles of asphaltic concrete pavement were laid; 123 miles of cement concrete pavement; 41 miles of bituminous penetration pavement and about 29 miles of waterbound macadam. About 46 miles of new grading was carried through and 35 culverts or extensions to culverts were constructed, also 10 new bridges were erected and construction was started on several others.

Asphaltic concrete pavement was laid from west of Welland westerly along the Grand River for a distance of 6 miles, and also between Caledonia and Mount Hope and a short section east of Niagara Falls. On these contracts asphaltic black base was used with an asphaltic concrete top. A very important feature of the year's operations was the paving of the Danforth Subway and a section on the Danforth immediately adjacent to the City of Toronto allowing Bloor Street and Danforth Avenue to be opened through to the Kingston Road. On these short sections asphaltic concrete on a 6-inch concrete base was laid.

Cement concrete pavement was laid from Strathburn to Delaware, a distance of 18½ miles, and also in the gap 6 miles west of Paris. The paving of these two sections completes the paving between Hamilton and Strathburn, a distance of 102 miles. On the Windsor-Leamington Road 5 miles of concrete were laid south from Cottam leaving less than 5 miles for a complete concrete pavement from Windsor to Leamington.

On the Longwoods Road, 9¼ miles of cement concrete were laid westerly from Thamesville and 7¼ miles westerly from Ruscom, and as 4 miles of macadam were built during the year west of Tilbury, with the exception of a 7¾ mile gap between Ruscom and Comber, there is continuous hard surface between Windsor and Thamesville through Chatham. On the Talbot Road, nearly 7 miles of concrete was laid between Talbotville and Shedden. With the exception of 3 miles north of St. Mary's there is continuous concrete between St. Mary's and Stratford. East of the pavement east of Sarnia an additional 7 miles of cement concrete was laid, so that there is now 13½ miles of concrete pavement east from Sarnia. From a point 4 miles south of Guelph 7½ miles of concrete were laid which made the pavement between Hamilton and Guelph continuous.

On the Kingston Road, concrete pavement was constructed east from Bowmanville, east from Newtonville, sections between Cobourg and Port Hope, Port Hope westerly, Cobourg easterly and east of Trenton, an additional mileage of slightly over 23 miles, leaving only 31 miles of road between Toronto and Belleville unpaved. Concrete pavement was laid both east and west of Prescott for a total distance of 8 miles. On the Ottawa-Prescott Road, concrete pavement was laid at Kemptville and north to the Rideau, at North Gower and Manotick, in all, about 7¾ miles and except for the section from the Rideau River to North Gower, a distance of about 8 miles, there is continuous pavement from Ottawa to Kemptville. On over 75 per cent. of the cement concrete pavement construction the material used was obtained from wayside pits or local quarries.

Bituminous penetration pavement was largely laid with a levelling-up course of stone on which after consolidation, a 3-inch consolidated penetrated top is placed. Sections of this type of road were laid between Green's Creek and Orleans, L'Orignal westerly 5 miles and Wendover westerly on the Ottawa-Point Fortune. Bituminous macadam was also laid on the St. Lawrence River Road both east and west of Brockville and at Morrisburg. On the portion of the Highway System west of Toronto a short section of bituminous macadam was laid east from Tillsonburg, and also a 2½ mile section at Chamber's Corners.Between Mitchell and Sebringville a penetration course was built on the existing macadam. South from Brampton 5 miles of bituminous macadam were laid, which makes a continuous bituminous macadam pavement from Cooksville to Brampton.

Waterbound macadam roadway laid in two courses was constructed west from Moulinette about 4½ miles, west from Quebec Boundary and at Summerstown, also 7½ miles of macadam were laid between Shannonville and Marysville. The completion of these sections makes a continuous hard surface road from Belleville easterly to the Quebec Boundary. There were also several short sections of macadam constructed on the Belleville-Picton Road, north from Bloomfield and at Crofton. Macadam was also laid south from Arthur and west from Tilbury.

The grading done in 1925 consisted for the most part of light grading, a considerable mileage of road being graded on the basis of so much per mile. The most important grading operation was the cutting at the west entrance to Tillsonburg. Several bridges and culverts were constructed over the Gullys on the Talbot and Longwoods roads. A new alignment and an artistic concrete structure over the Grand River at Freeport was nearing completion at the close of 1925 construction season. These operations greatly improved the road between Kitchener and Galt. An important bridge on the Ottawa-Point Fortune Road at Plantaganet across the Nation River was started at the close of 1925.

A detailed schedule of construction is given in Appendix No. 16 and schedules of expenditures by counties, cities and separated towns in Appendices Nos. 17, 18 and 19.

BRIDGES

During the years 1923, 1924 and 1925 covered by this report, the bridge building programme was of a very extensive nature, there being 59 structures completed and opened for traffic during these three years, this number representing slightly more than 50 per cent. of the bridges reconstructed on the Provincial Highway System. During the year 1923 there were completed some 25 bridges amongst which might be mentioned new steel structures at Erindale and Waterdown and a new overhead crossing of the Canadian Pacific Railway at the foot of the Clappison's Cut. These three bridges replaced some very poor structures and in the case of Clappison's bridge removed a very crooked alignment over the railroad. There was also completed during this year a reinforced concrete bridge at Markdale, this being the second concrete bridge built on the Provincial System. Binkley's subway was also built and opened in this year. The outstanding bridge completed during 1924 was the Humber River Bridge on Bloor St., just west of the City of Toronto. This structure completed the entrance of the Dundas St. Highway from Hamilton and opened this road as an important factor in the intercity traffic. The structure itself is the most elaborate on the Provincial System and has a total length of 745 feet being composed of four steel arch spans and two approach spans supported on concrete pedestals and abutments and carrying a concrete deck sixty feet wide between the concrete handrails. The Grand River bridge at Cayuga was also completed this year. This structure is composed of five steel spans and replaced an old iron bridge that was not only unsafe but entirely unsuited for present day traffic.

Bloor Street Bridge over Humber River, Western Toronto Entrance, Dundas Provincial Highway.

In 1924 concrete was adopted for use on all bridges for which this type of construction was suitable and in this year there were constructed ten reinforced concrete structures with spans varying from 27 feet to 115 feet. In 1924 the Bloor St. east subway was opened thus providing an entrance to the City of Toronto for the eastern Provincial Highway.

The construction during 1925 was somewhat lighter than previous years there being eleven bridges completed during this year which were for the most part of reinforced concrete. Special mention might be made of two concrete bridges built between Chatham and Tilbury over drainage ditches and of a third one which straightens out a very bad crossing over a large municipal drain and which will be completed in 1926. During 1925 construction was started on a concrete bridge at Delhi and also on a bridge over the Grand River at Freeport. This structure is composed of seven similar reinforced concrete trusses with a total length of 500 feet, and it is expected to have this structure open for traffic early in 1926. Construction was also started on two bridges in the village of Plantagenet on the Ottawa-Point Fortune Road. The larger of these two is composed of two spans each 115 feet long this being the longest span built to date by the department with reinforced concrete.

A schedule of bridges completed on Provincial Highways during 1923-24-25 will be found in Appendix No. 20.

APPENDIX

DETAILS OF CONSTRUCTION—

County	Culverts Built	Bridges Built	Miles of Grading	Miles of Gravelling	Miles W.B. 2-Course Macadam
Brant				7.85	
Bruce	65 and 5 ext.	3	18.9	23.4	
Carleton	14		10.2	10.9	3.7
Dufferin	14 and 3 ext.			9.3	
Dundas, Stormont and Glengarry	31		12.2	3.7	
Durham and Northumberland	1		7.85	5.35	
Elgin				11.0	
Essex	11		15.7	21.5	
Frontenac	1		6.6		6.6
Grey	145 and 2 ext.		20.1	17.9	1.1
Haldimand		2	9.38		
Halton	21	3	3.6	8.35	
Hastings	34		1.2		4.15
Huron	4		14.3	11.5	
Kent	25		4.4	52.0	
Lambton	27		13.85	26.15	
Lanark	39		18.3		
Leeds and Grenville	35		8.5	8	
Lennox and Addington	3		5.2		4.5
Lincoln	14		2.28		
Middlesex	63	1	23.72	12.8	
Norfolk	2		10.7	6.0	
Ontario	20		10.9	10.7	
Oxford				3.75	
Peel	1	2	18.35	22.35	
Perth	2		7.4	14.05	4.15
Peterborough					
Prince Edward	9		4.65	0.2	7.0
Renfrew	35		21.3	19.6	
Russell and Prescott	25		14.5	6.9	10.5
Simcoe		3	12.55	5.4	5.3
Victoria			4.7	4.7	
Waterloo	2			10.5	
Welland	13		8.85		
Wellington	80 and 16 ext.	1	22.54	35.16	5.8
Wentworth		1	16.27		
York	1	1	13.55		.30

No. 14 1923

PROVINCIAL HIGHWAYS

Miles Bit. Penetration	Miles Asp. Concrete	Miles Concrete Pavement	Lin. Ft. Guard Rail	Lin. Ft. Storm Sewers	Miles Surface Treatment	Miles Gravel Rd. Maint.	Miles of New Fence Erected
.....	.....	5.1	11,828	.....	0.5	6.66	3.0
.....	.....	.....	10,560	.....	.....	38.7	8.9
.....	15.2	.....	3,600	.....	9.4	.....	14.2
.....	.....	.....	600	.....	.....	24.5	7.05
.....	.....	.....	19,008	7,392	21.4	9.3	19.6
.....	.....	.....	11,000	300	.....	82.48	7.45
.....	.....	4.0	.....	.....	.....	50.0	40.5
.....	.....	6.5	.....	.....	.....	52.74	34.75
.....	.....	.....	.....	.....	3.5	8.5	21.2
.....	.....	.....	.....	.....	3.5	65.4	42.8
.....	.....	.....	440	.....	.....	.....	24.33
.....	14.65	.....	6,340	.....	.....	13.46	10.18
.....	.....	.....	600	1,000	6.1	18.2	9.8
.....	.....	.....	.....	.....	.....	29.03	1.2
.....	.....	3.4	.....	.....	.....	77.87	54.9
.....	.....	.....	3,662	.....	.....	37.76	71.52
.....	.....	.....	.....	.....	21.6	.....	20.2
.....	.....	2.95	9,504	4,224	2.0	24.97	3.2
0.7	.....	.....	.....	.....	8.7	.....	9.3
.....	.....	2.0	10,392	.....	.....	.....	20.81
.....	.....	3.3	12,987	.....	.....	85.62	64.55
.....	.....	.....	.....	.....	3.0	21.5	0.9
.....	.....	8.1	.....	2,800	.....	35.07	30.0
.....	.....	7.2	2,236	.....	7.3	11.25	6.4
.....	6.83	.....	2,434	2,640	.....	27.6	35.1
.....	3.6	.....	6,185	.....	5.15	36.03	20.5
.....	.....	.....	1,200	.....	.....	.....	2.7
0.8	.....	.....	.....	1,000	5.6	9.33	13.2
.....	.....	.....	.....	.....	2.4	.....	25.2
.....	.....	.....	6,860	.....	5.1	3.5	.....
4.68	.....	.....	42	.....	.....	37.10	22.38
.....	.....	.....	.....	.....	.....	12.7	20
.....	.....	4.9	4,084	.....	.....	17.40	.....
.....	.....	1.22	221	.....	.....	.....	.....
.....	.....	.....	7,108	.....	4.0	62.15	27.82
8.45	10.14	7.38	15,730	9,134	.....	.....	17.78
.....	13.7	.....	3,155	.....	.....	.....	11.48

APPENDIX

DETAILS OF CONSTRUCTION—

County	Culverts Built	Bridges Built	Miles of Grading	Miles of Gravelling	Miles W.B. 2-Course Macadam
Brant		½	0.16		
Bruce	7		3.8	28.6	0.8
Carleton	2		2.9	53.4	2.3
Dufferin			6.3	13.3	
Dundas, Stormont and Glengarry					7.5
Durham and Northumberland				7.0	
Elgin	1	1			
Essex			2.1	34.9	
Frontenac					
Grey	9	1	12.7	28.2	
Haldimand	2	2	4.30		12.00
Halton			3.7	2.6	
Hastings		1	2	6.75	1.5
Huron		1	3.45	2.35	
Kent				63.35	9.3
Lambton		½	0.1	0.1	
Lanark			3.5		3.0
Leeds and Grenville					
Lennox and Addington					
Lincoln			0.63		
Middlesex		½		0.45	
Norfolk	2 ext.	1			
Ontario		1	.50		
Oxford		½	0.16		
Peel	7 and 1 ext.	1	2.8	19.9	
Perth		1	4.6	4.6	
Peterborough					
Prince Edward			5.6		1.7
Renfrew	6		2.0	43.5	
Russell and Prescott	2		0.3	10.2	21.2
Simcoe				2.4	
Victoria	1		0.1	4.0	
Waterloo					
Welland			2.95		5.90
Wellington	6 and 3 ext.	1	2.7	27.8	5.5
Wentworth					
York	7		1.73		0.4

No. 15

1924

PROVINCIAL HIGHWAYS

Miles Bit. Penetration	Miles Asp. Concrete	Miles Concrete Pavement	Lin. Ft. Guard Rail	Lin. Ft. Storm Sewers	Miles Surface Treatment	Miles Gravel Rd. Maint.	Miles of New Fence Erected
2.0	.....	1.0	4,392	.....	.....	5.66	.....
.....	.....	.....	1,675	.....	.....	37.9	1.55
.....	2.3	1.9	16,500	30	11.9	18	2.0
.....	.....	.....	.....	.....	.....	24.5	0.1
.....	1.0	.....	.....	7,392	42.5	9.3	.....
.....	6.33	4.25	.....	.....	.....	7.19	0.6
.....	.....	4.4	23,970	.....	.....	45.6	.....
.....	.....	10.7	1,252 35	850	.....	42.04	.....
.....	.....	.....	.....	.....	18.4	8.5	.....
.....	.....	4.0	4,502	.....	3.5	65.4	4 6
.....	.....	.....	3,338	.....	51.20	.....	0.15
.....	.....	.....	12,640	.....	.....	13.46	.....
0.6	.....	4.15	600	.....	8.8	12.55	0.35
.....	.....	.....	6,134	.....	.....	29.03	.....
.....	.....	.....	6,260.1	.....	6.49	68.57	1.7
.....	.....	4.35	6,345	.....	.....	33.41	.....
.....	.....	.....	.....	.....	36.5	.....	.....
1.4	.....	.....	.....	.....	9.0	62.87	.....
.....	.....	.....	.....	.....	20.0	.....	.....
.....	.....	0.30	2,432	.....	7.4	.....	.....
.....	.....	12.6	9,500	2,500	.....	73.02	.....
.....	.....	.....	3,550	.....	1.0	27.5	.....
.....	1.52	.....	1,600	.....	.....	33.55	.....
8.8	.....	8.0	.....	.....	.....	1.54	.....
3.9	.....	.....	8,086	.....	5.1	27.6	1.1
.....	.....	11.35	3,500	.....	7.25	17.43	.....
.....	.....	.....	.....	.....	9.2	.....	.....
.....	.....	.....	500	.....	12.8	7.63	3.7
.....	.....	.....	15,180	.....	.....	87.4	3.0
2.2	.....	.....	7,325	.....	28.5	11.2	0.2
2.7	.....	.....	8,464	.....	.....	37.10	.....
.....	.....	.....	.....	.....	.....	12.7	.....
.....	.....	2.95	3,439	.....	.....	14.45	.....
.....	4.5	.....	2,647	.....	12.30	.....	.....
.....	.....	.....	766	.....	5.3	58.65	.....
.....	.....	.....	12,950	.....	2.95	.....	.....
4.1	3.43	.....	6,310	.....	.....	.....	.....

APPENDIX

DETAILS OF CONSTRUCTION—

County	Culverts Built	Bridges Built	Miles of Grading	Miles of Gravelling	Miles of W. B. 2-course Macadam
Brant					
Bruce				15.9	
Carleton	7		1.9	15.3	
Dufferin				0.4	
Dundas, Stormont and Glengarry					10.1
Durham and Northumberland				11.0	
Elgin		1	2.5		
Essex	1	1		17.2	3.8
Frontenac					
Grey	2 & 1 ext.		9.1	31.2	
Haldimand		1			
Halton					
Hastings					7.52
Huron			1.7	1.7	
Kent	4	3	2.5	56.7	
Lambton					
Lanark					
Leeds and Grenville					
Lennox and Addington					
Lincoln					
Middlesex		1 & 4 ext.	1.0	1.0	
Norfolk	2 ext.	1			
Ontario				19.6	
Oxford	2		1.25		
Peel			0.35	9.3	
Perth				5	
Peterborough					
Prince Edward		*Spans 3&4			3.74
Renfrew	14		3.7	21.5	
Russell and Prescott			1.5	11.2	
Simcoe					
Victoria					
Waterloo	2	1	0.35	0.85	
Welland			3.0		
Wellington			7.0	28.85	3.6
Wentworth		1			
York			0.5		

*Belleville Bay Bridge.

No. 16 1925

PROVINCIAL HIGHWAYS

Miles of Bit. Penetration	Miles of Asp. Concrete	Miles of Concrete Pavement	Lineal Feet Guard Rail	Lineal Feet Storm Sewers	Miles of Surface Treatment	Miles of Gravel Rd. Maintenance	Miles of New Fence Erected
.....	.....	5.16	1,128	.....	2.0	0.5	.....
.....	.....	.....	6,898	.....	0.8	37.8	.....
3.6	.....	5.93	1,155	.....	3.5	48.74	0.5
.....	.....	.....	920	.....	0.4	24.5	.....
0.3	.....	.....	1,250	.....	8.3	6.1	.....
.....	.....	19.9	3,120	.....	.....	52.0	.....
.....	.....	6.8	11,920	.....	.....	38.8	3.2
.....	.....	12.35	5,659.5	.....	.....	25.89	.....
.....	.....	.....	100	.....	.....	8.5	.....
.....	.....	.....	4,595	.....	3.5	61.4	1.8
1.05	2.7	.....	4,086	.....	34.90	.....	.....
.....	.....	.....	6,340	.....	.....	13.46	.....
.....	.....	4.71	.....	.....	4.5	0.32	.....
.....	.....	.....	144	.....	.....	29.03	.....
.....	.....	8.8	6,963	.....	7.0	56.27	0.5
.....	.....	6.91	786	.....	.....	26.50	.....
.....	.....	.....	2,400	.....	0.5	.....	.....
4.3	.....	9.86	450	.....	.....	62.87	.....
.....	.....	.....	.....	.....	.....	.....	.....
0.33	.....	.....	2,396	.....	4.7	.....	.....
.....	.....	21.0	12,083	.....	.....	52.02	1.0
4.5	.....	.....	500	.....	.....	26.0	.....
.....	.....	2.55	1,040	.....	.....	31	1.4
1.25	.....	1.04	910	.....	2.0	.....	.....
4.9	.....	.....	7,782	.....	.....	21.1	1.75
7.25	.....	2.5	236	.....	1.80	14.90	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	8.7	3.89	.....
2.5	.....	.....	990	.....	.....	55.8	3.1
8.8	.....	.....	4,290	.....	38.80	11.2	.....
.....	.....	.....	42	.....	.....	37.10	.....
.....	.....	0.9	.....	100	.....	12.0	.....
.....	.....	5.75	1,548	.....	.....	8.7	.....
2.4	7.42	0.18	9,858	.....	9.6	.....	.....
.....	.....	7.75	9,237	.....	17.0	48.5	.....
0.05	2.95	.....	5,516	.....	.....	.....	1.38
.....	1.28	1.35	3,155	.....	.....	.....	.....

APPENDIX No. 17

Expenditures on Provincial Highways, 1923, 1924 and 1925

		Construction	Maintenance	Total Expenditure	Cost to Province	Cost to County	Cost to Separated Towns	Cost to Cities (Sub Area)
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Brant	1923	175,471 65	13,117 11	188,588 76	118,545 47	37,717 75		32,325 54
	1924	84,067 10	10,387 52	94,454 62	73,575 35	18,890 92		1,988 35
	1925	117,027 28	9,925 20	126,952 48	99,842 53	25,390 50		1,719 45
Bruce	1923	172,946 73	4,583 08	177,529 81	142,023 85	35,505 96		
	1924	44,611 87	23,683 58	68,295 45	54,636 36	13,659 09		
	1925	5,483 97	12,969 23	18,453 20	14,762 56	3,690 64		
Carleton	1923	647,875 17	29,404 68	677,279 85	*459,569 59	135,455 97		82,254 29
	1924	175,426 54	60,877 42	236,303 96	156,067 45	47,260 79		32,975 72
	1925	268,902 23	32,119 80	301,022 03	208,777 24	60,204 41		32,040 38
Dufferin	1923	69,758 39	4,951 27	74,709 66	59,767 73	14,941 93		
	1924	13,589 06	10,056 21	23,645 27	18,916 22	4,729 05		
	1925	1,484 83	9,741 12	11,225 95	8,980 76	2,245 19		
Dundas, Stormont and Glengarry	1923	223,482 89	39,308 13	262,791 02	210,232 82	52,558 20		
	1924	167,792 80	53,682 08	221,474 88	177,179 91	44,294 97		
	1925	127,738 78	25,077 59	152,816 37	122,253 09	30,563 28		
Durham and Northumberland	1923	84,210 86	69,374 12	153,584 98	122,867 98	30,717 00		
	1924	307,271 12	68,335 67	375,606 79	300,485 45	75,121 34		
	1925	445,582 14	43,667 67	489,249 81	391,399 83	97,849 98		
Elgin	1923	256,551 38	18,684 56	275,235 94	191,799 45	55,047 19		28,389 30
	1924	123,926 66	35,689 07	159,615 73	102,074 69	31,923 14		25,617 90
	1925	260,802 69	32,974 77	293,777 46	225,024 31	58,755 49		9,997 66
Essex	1923	240,419 65	11,570 13	251,989 78	174,546 75	50,397 96		27,045 07
	1924	339,046 32	37,694 57	376,740 89	299,890 41	75,348 17		1,502 31
	1925	460,050 34	24,351 36	484,401 70	386,733 25	96,880 34		788 11
Frontenac	1923	130,824 94	27,729 07	158,554 01	126,843 21	31,710 80		
	1924	759 83	25,679 06	26,438 89	19,008 00	5,287 78		2,143 11
	1925	433 89	18,239 74	18,673 63	14,092 16	3,734 73		846 74
Grey	1923	259,200 65	18,263 08	277,463 73	214,015 19	55,492 74		7,955 80
	1924	159,507 14	22,325 37	181,832 51	129,550 66	36,366 50		15,915 35
	1925	33,860 50	27,520 89	61,381 39	48,879 07	12,276 28		226 04
Haldimand	1923	290,606 99	25,798 64	316,405 63	253,124 50	63,281 13		
	1924	274,302 58	39,690 62	313,993 20	251,194 56	62,798 64		
	1925	121,019 51	57,334 97	178,354 48	142,683 59	35,670 89		
Halton	1923	708,267 25	1,715 36	709,982 61	567,986 09	141,996 52		
	1924	158,532 09	14,080 01	172,612 10	138,089 68	34,522 42		
	1925	5,882 49	18,919 67	24,802 16	19,841 73	4,960 43		

Hastings	1923	90,682 78	21,461 80	112,144 58	81,706 24	16,496 62	5,932 29	8,009 43
	1924	132,245 51	17,334 20	149,579 71	105,616 79	29,915 94		14,046 98
	1925	196,392 89	11,530 95	207,923 84	155,338 49	41,584 77		11,000 58
Huron	1923	41,351 32	2,841 99	44,193 31	35,354 65	8,838 66		
	1924	22,858 26	10,889 96	33,748 22	26,998 58	6,749 64		
	1925	4,501 03	11,561 87	16,062 90	12,850 32	3,212 58		
Kent	1923	279,261 43	16,136 06	295,397 49	208,075 15	59,079 49		28,242 85
	1924	165,902 25	71,358 56	237,260 81	189,502 80	47,452 16		305 85
	1925	341,192 37	57,542 34	402,734 71	321,938 16	80,546 94		249 61
Lambton	1923	92,800 26	9,068 60	101,868 86	80,233 48	20,373 77		1,261 61
	1924	131,707 79	18,602 49	150,310 28	102,539 87	30,062 05		17,708 36
	1925	185,804 36	12,017 31	197,821 67	158,119 62	39,564 33		137 72
Lanark	1923	324,916 55	25,577 77	350,494 32	280,395 46	70,098 86		
	1924	123,502 45	36,850 50	160,352 95	128,282 36	32,070 59		
	1925	8,923 69	25,297 51	34,221 20	27,376 96	6,844 24		
Leeds and Grenville	1923	421,688 88	79,166 14	500,855 02	400,684 02	99,515 51	655 49	
	1924	54,202 27	81,167 17	135,369 44	108,295 56	26,786 73	287 15	
	1925	348,784 47	50,631 16	399,415 63	319,532 51	79,869 43	13 69	
Lennox and Addington	1923	128,839 75	15,380 31	144,220 06	115,376 05	28,844 01		
	1924	Cr. 1,834 01	14,835 63	13,001 62	10,401 30	2,600 32		
	1925	1,020 39	2,379 93	3,400 32	2,720 25	680 07		
Lincoln	1923	85,781 67	6,797 79	92,579 46	70,698 05	18,515 89		3,365 52
	1924	25,794 38	28,711 70	54,506 08	42,729 91	10,901 22		874 95
	1925	15,719 99	38,818 71	54,538 70	40,067 37	10,907 74		3,563 59
Middlesex	1923	292,998 11	28,135 54	321,133 65	230,152 91	64,226 73		26,754 01
	1924	258,799 10	46,947 41	305,746 51	204,396 13	61,149 30		40,201 08
	1925	634,106 17	33,148 97	667,255 14	512,369 11	133,451 02		21,435 01
Norfolk	1923	81,515 88	8,659 31	90,175 19	72,140 15	18,035 04		
	1924	35,190 54	11,181 32	46,371 86	37,097 49	9,274 37		
	1925	108,044 22	19,421 07	127,465 29	101,972 24	25,493 05		
Ontario	1923	501,071 22	12,173 28	513,244 50	410,595 60	102,648 90		
	1924	76,969 43	24,256 22	101,225 65	80,980 52	20,245 13		
	1925	66,947 07	21,418 31	88,365 38	70,692 31	17,673 07		
Oxford	1923	234,568 39	15,884 18	250,452 57	182,574 19	50,090 26	25	17,787 87
	1924	278,170 74	9,092 66	287,263 40	223,994 42	55,498 51	1,954 18	5,816 29
	1925	156,504 32	5,890 67	162,394 99	126,191 88	31,713 95	765 05	3,724 11
Peel	1923	588,090 56	12,710 88	600,801 44	480,641 15	120,160 29		
	1924	189,796 74	46,034 12	235,830 86	188,664 69	47,166 17		
	1925	168,900 01	25,294 24	194,194 25	155,355 40	38,838 85		
Perth	1923	284,437 66	10,849 45	295,287 11	203,505 25	58,139 90	917 53	32,724 43
	1924	317,657 45	29,029 99	346,687 44	263,639 20	69,293 89	43 60	13,710 75
	1925	175,030 32	14,723 25	189,753 57	151,544 86	37,950 71		258 00
Peterborough	1923	13,311 05	1,368 41	14,679 46	9,811 08	2,935 89		1,932 49
	1924	945 62	5,906 94	6,852 56	4,824 85	1,370 51		657 20
	1925	410 45	1,939 72	2,350 17	1,511 67	470 03		368 47

APPENDIX No. 17—Continued

Expenditures on Provincial Highways, 1923, 1924 and 1925

		Construction	Maintenance	Total Expenditure	Cost to Province	Cost to County	Cost to Separated Towns	Cost to Cities (Sub. Area)
		$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Prince Edward	1923	200,082 76	11,077 23	211,159 99	168,928 00	42,231 99		
	1924	47,660 08	18,014 38	65,674 46	52,539 56	13,134 90		
	1925	93,835 34	16,236 11	110,071 45	88,057 16	22,014 29		
Renfrew	1923	163,909 37	4,456 91	168,366 28	134,693 02	33,673 26		
	1924	28,476 77	22,654 54	51,131 31	40,905 06	10,226 25		
	1925	61,073 91	19,519 97	80,593 88	64,475 11	16,118 77		
Russell and Prescott	1923	265,901 28	14,701 01	280,602 29	224,481 84	56,120 45		
	1924	233,383 20	53,325 83	286,709 03	229,367 22	57,341 81		
	1925	175,946 76	53,866 89	229,813 65	183,850 92	45,962 73		
Simcoe	1923	320,021 17	36,086 89	356,108 06	284,886 45	71,221 61		
	1924	90,552 34	51,925 34	142,477 68	113,982 14	28,495 54		
	1925	43,441 85	75,392 78	118,834 63	95,067 70	23,766 93		
Victoria	1923	41,997 96	7,993 34	49,991 30	39,993 04	9,998 26		
	1924	4,363 23	14,695 19	19,058 42	15,246 73	3,811 69		
	1925	24,957 14	3,045 69	28,002 83	22,402 26	5,600 57		
Waterloo	1923	162,268 17	4,643 38	166,911 55	104,344 87	33,382 31		29,184 37
	1924	117,002 43	14,754 47	131,756 90	98,518 29	26,351 38		6,887 23
	1925	187,178 73	10,357 04	197,535 77	143,987 83	39,507 15		14,040 79
Welland	1923	208,609 97	4,368 01	212,977 98	153,012 02	42,595 54		17,370 42
	1924	242,278 89	21,126 44	263,405 33	191,130 94	52,681 07		19,593 32
	1925	442,331 84	29,851 99	472,183 83	352,558 22	94,436 77		25,188 84
Wellington	1923	319,326 41	18,759 45	338,085 86	266,896 83	67,617 17		3,571 86
	1924	110,616 88	53,785 07	164,401 95	128,739 82	32,880 39		2,781 74
	1925	258,856 82	48,564 58	307,421 40	244,756 09	61,484 28		1,181 03
Wentworth	1923	1,148,048 31	29,167 12	1,177,215 43	773,227 72	235,443 08		168,544 63
	1924	87,969 32	36,523 79	124,493 11	77,511 40	24,898 62		22,083 09
	1925	98,010 20	39,204 45	137,214 65	99,944 37	27,442 93		9,827 35
York	1923	1,047,602 72	20,581 48	1,068,184 20	458,210 42	213,636 84		396,336 94
	1924	656,639 99	21,047 85	677,687 84	365,881 73	135,537 56		176,268 55
	1925	184,050 10	21,684 24	205,734 34	92,899 08	41,146 78		71,688 39
Indian Reserve	1923	706 06	5,827 52	6,533 88	5,227 11		1,306 77	
	1924	289 42	3,163 49	3,452 91	2,762 33		690 58	
	1925	10 12	957 66	967 78	774 23		193 55	
Total for three years	....	21,713,623 63	2,816,909 24	24,530,532 87	18,102,010 05	4,893,346 26	12,760 13	1,522,416 43

APPENDIX No. 18
EXPENDITURE ON PROVINCIAL SUBURBAN AREAS, 1923-4-5

		Construction	Maintenance	Total Expenditure	Proportion Paid by Cities
		$ c.	$ c.	$ c.	$ c.
Belleville	1923	30,565 54	.....	30,565 54	8,009 43
	1924	60,804 54	9,430 36	70,234 90	14,046 98
	1925	49,367 44	5,635 43	55,002 87	11,000 58
Brantford	1923	161,627 73	.....	161,627 73	32,325 54
	1924	5,470 30	4,471 44	9,941 74	1,988 35
	1925	1,253 29	7,343 97	8,597 26	1,719 45
Chatham	1923	141,214 25	.....	141,214 25	28,242 85
	1924	132 30	1,396 97	1,529 27	305 85
	1925	149 53	1,098 49	1,248 02	249 61
Galt	1923	28,119 90	.....	28,119 90	5,623 98
	1924	240 08	1,052 75	1,292 83	258 55
	1925	.....	855 09	855 09	171 02
Guelph	1923	17,859 31	.....	17,859 31	3,571 86
	1924	9,045 64	4,863 05	13,908 69	2,781 74
	1925	557 48	5,347 64	5,905 12	1,181 03
Hamilton	1923	842,723 18	.....	842,723 18	168,544 63
	1924	78,248 81	32,166 61	110,415 42	22,083 09
	1925	16,552 37	32,584 38	49,136 75	9,827 35
Kingston	1924	547 77	10,167 80	10,715 57	2,143 11
	1925	226 96	4,006 75	4,233 71	846 74
Kitchener	1923	117,801 98	.....	117,801 98	23,560 39
	1924	24,498 69	8,644 73	33,143 42	6,628 68
	1925	65,218 93	4,129 92	69,348 85	13,869 77
London	1923	133,770 04	.....	133,770 04	26,754 01
	1924	188,191 73	12,813 68	201,005 41	40,201 08
	1925	100,785 29	6,389 75	107,175 04	21,435 01
Niagara Falls	1923	25,328 47	.....	25,328 47	5,065 69
	1924	76,508 34	8,482 83	84,991 17	16,998 24
	1925	86,333 98	5,340 70	91,674 68	18,334 94
Ottawa	1923	411,271 46	.....	411,271 46	82,254 29
	1924	141,344 61	23,533 99	164,878 60	32,975 72
	1925	148,328 01	11,873 88	160,201 89	32,040 38
Owen Sound	1923	39,779 00	.....	39,779 00	7,955 80
	1924	76,335 39	3,241 39	79,576 78	15,915 35
	1925	Cr. 1,969 12	3,099 34	1,130 22	226 04
Peterboro	1923	9,662 44	.....	9,662 44	1,932 49
	1924	488 81	2,797 20	3,286 01	657 20
	1925	365 47	1,476 91	1,842 38	368 47
Sarnia	1923	6,308 05	.....	6,308 05	1,261 61
	1924	87,645 92	895 88	88,541 80	17,708 36
	1925	.....	688 59	688 59	137 72
St. Catharines	1923	16,827 61	.....	16,827 61	3,365 52
	1924	.....	4,374 74	4,374 74	874 95
	1925	4,162 36	13,655 60	17,817 96	3,563 59
St. Thomas	1923	141,946 82	.....	141,946 82	28,389 30
	1924	125,636 93	2,452 25	128,089 18	25,617 90
	1925	44,811 20	5,177 08	49,988 28	9,997 66
Stratford	1923	163,622 13	.....	163,622 13	32,724 43
	1924	67,053 04	1,500 69	68,553 73	13,710 75
	1925	.....	1,290 00	1,290 00	258 00
Toronto	1923	1,981,684 70	.....	1,981,684 70	396,336 94
	1924	840,944 86	40,406 84	881,351 70	176,268 55
	1925	327,090 32	31,351 67	358,441 99	71,688 39
Welland	1923	61,523 66	.....	61,523 66	12,304 73
	1924	8,798 81	4,176 62	12,975 43	2,595 08
	1925	23,747 75	10,521 76	34,269 51	6,853 90
Windsor	1923	135,225 35	.....	135,225 35	27,045 07
	1924	5,510 96	2,000 59	7,511 55	1,502 31
	1925	1,870 44	2,070 11	3,940 55	788 11
Woodstock	1923	88,939 34	.....	88,939 34	17,787 87
	1924	27,354 11	1,727 32	29,081 43	5,816 29
	1925	17,897 77	722 82	18,620 59	3,724 11
Total of three years		7,267,352 07	335,257 61	7,602,609 68	1,522,416 43

APPENDIX No. 19

EXPENDITURE ON PROVINCIAL HIGHWAY CONNECTING LINKS IN SEPARATED TOWNS, 1923-4-5

		Construction	Maintenance	Total Expenditure	Town's Proportion
		$ c.	$ c.	$ c.	$ c.
Gananoque	1923	1,134 08	2,143 36	3,277 44	655 49
	1924	.....	1,435 75	1,435 75	287 15
	1925	.....	68 44	68 44	13 69
Ingersoll	1923	1 25	.....	1 25	25
	1924	9,530 17	240 71	9,770 88	1,954 18
	1925	3,825 25	.....	3,825 25	765 05
St. Mary's	1923	4,366 87	220 76	4,587 63	917 53
	1924	157 75	60 26	218 01	43 60
	1925	.....	.....	.....	.....
Trenton	1923	29,580 66	80 81	29,661 47	5,932 29
	1924	.....	.....	.....	.....
	1925	.....	.....	.....	.....
		48,596 03	4,250 09	52,846 12	10,569 23

APPENDIX No. 20

BRIDGES COMPLETED ON PROVINCIAL HIGHWAYS DURING 1923-24-25

Name of Bridge	Span ft. in.	Completed	Road No.	Township	County
Erindale Bridge	124 6	1923	5	Toronto	Peel.
Waterdown Bridge	113 0 (3 spans)	1923	5	E. Flamboro	Wentworth.
Green's Creek	52 0	1923	17	Gloucester	Carleton.
Severn River	56 0	1923	11	Orillia	Simcoe.
Rocky Saugeen	64 0	1923	10	Glenelg-Holland	Grey.
Saugeen River	33 0	1923	6	Egremont-Normanby	Grey.
Fork's Creek	45 0	1923	3	Wainfleet	Welland.
Lynn River	45 0	1923	3	Townsend	Norfolk.
Smith's Creek	80 0	1923	12A	Hope	Durham.
Dingman's Creek	63 6	1923	4	Westminster	Middlesex.
Crown Hill No. 1	39 0	1923	11	Oro	Simcoe.
Crown Hill No. 2	42 0	1923	11	Oro	Simcoe.
Arthur Bridge	48 5	1923	6	Arthur Village	Wellington.
Clappison's Bridge	51 0 (3 spans)	1923	5	E. and W. Flamboro	Wentworth.
Brampton No. 1	56 0	1923	7	Chinguacousy	Peel.
Brampton No. 2	56 0	1923	7	Chinguacousy	Peel.
Sligo Hill	33 6	1923	10	Caledon	Peel.
Dublin	43 0	1923	8	Hibbert and Logan	Perth.
Mildmay	40 0	1923	9	Carrick	Bruce.
Otter Creek No. 1	33 0	1923	9	Carrick	Bruce.
Otter Creek No. 2	56 0	1923	9	Carrick	Bruce.
Boston Creek	80 0	1923	5	Oneida	Haldimand.
Elginfield Bridge	48 0	1923	7	London and Biddulph	Middlesex.
Beckett's Creek	25 0	1923	17	Cumberland	Russell.
Markdale (concrete)	33 0	1923	10	Glenelg and Holland	Grey.
Norval No. 1	102 0	1924	7	Esquesing	Halton.
Norval No. 2	70 0	1924	7	Esquesing	Halton.
Norval No. 3	45 0	1924	7	Esquesing	Halton.
Aux Sable	175 0	1924	7	Bosanquet and Williams W.	Lambton and Middlesex.
Mackenzie Creek	80 0	1924	5	Oneida	Haldimand.
Cayuga Bridge	615 8 (5 spans)	1924	3	Cayuga Village	Halidmand.
Humber River	745 0 (6 spans)	1924	5	Etobicoke and York	York.

APPENDIX No. 20—Continued

Name of Bridge	Span ft.	Span in.	Completed	Road No.	Township	County
Fergus Bridge (concrete)	115	2	1924	6	Fergus Village	Wellington.
Caledor (concrete)	27	0	1924	10	Caledon	Peel.
Nanticoke Creek (concrete)	40	0	1924	3	Townsend	Norfolk.
Snelgrove (concrete)	33	0	1924	10	Chinguacousy	Peel.
Harmony (concrete)	24	0	1924	2	Whitby E.	Ontario.
Blessington Cr. (concrete)	59	9	1924	2	Thurlow	Hastings.
New Sarum (concrete)	80	0	1924	3	Yarmouth	Elgin.
	(2 spans)					
St. Mary's (concrete)	56	6	1924	7	Downie	Perth.
Princeton (concrete)	76	0	1924	2	Burford and Blenheim	Oxford.
	(2 spans)					
Sandusk (Garnet) (concrete)	38	0	1924	5	Walpole	Haldimand.
Seaforth	27	0	1924	8	McKillop and Tuckersmith	Huron.
Orangeville	28	6	1924	10	Caledon	Peel.
Desilicaux (culvert)	20	0	1924	17	Alfred	Russell.
Thamesville (culvert)	20	0	1924	2	Camden	Kent.
Oakwood (culvert)	40	0	1924	12	Mariposa	Victoria.
	(2 spans)					
Orwell (concrete)	46	0	1925	3	Yarmouth	Elgin.
St. John's Bridge (concrete)	70	0	1925	4	London	Middlesex.
Caledonia Road No. 1	24	6	1925	5	Glanford	Wentworth.
Caledonia Road No. 2	31	6	1925	5	Seneca	Haldimand.
Ekfrid Township No. 1	25	6	1925	2	Ekfrid	Middlesex.
Ekfrid Township No. 2 (concrete)	15	4	1925	2	Ekfrid	Middlesex.
Ekfrid Township No. 3 (concrete)	37	6	1925	2	Ekfrid	Middlesex.
Jeanette Creek (concrete)	50	0	1925	2	Raleigh	Kent.
	(2 spans)					
Tilbury E. and Raleigh Townline Bridge (concrete)	71	0	1925	2	Tilbury E. and Raleigh	Kent.
	(2 spans)					
Puce River	30	6	1925	2	Maidstone	Essex.
Medway Creek (concrete)	40	0	1925	4	London	Middlesex.
Aurora Subway	.....		1923	11	King and Whitchurch	York.
Binkley's Subway	40	0	1923	2	Ancaster	Wentworth.
Bloor Street East Subway	70	0	1924	2	Scarborough	York.

APPENDIX No. 21

SCHEDULE OF ASSUMPTIONS AND REVERSIONS OF SECTIONS OF THE PROVINCIAL HIGHWAY SYSTEM FOR THE YEARS 1923-24-25

During the three years the System was extended by assuming 68.4 miles, less 20.3 mile reverted, making a total assumed of 1,861.3 miles as shown on map. A list of the roads added to the System, together with the mileage and date of designation, also list of roads and mileages reverted from the System, is as follows:—

PROVINCIAL HIGHWAYS ASSUMED IN 1923-24-25

County	Date of Designation	Municipality	Mileage	Total Mileage
Bruce	11th of March, 1925	Carrick	.90	.90
Carleton	1st of October, 1924	Huntley	1.50	1.50
Dufferin	30th of May, 1923	Orangeville Town	.86	.86
Grenville	25th of November, 1925	Kemptville Village	.225	
	25th of February, 1925	Kemptville Village	.671	.896
Grey	11th of March, 1925	Holland	1.463	
	11th of March, 1925	Holland	.887	2.35
Haldimand	18th of April, 1923	Dunnville Town	.083	
	20th of June, 1923	Cayuga Village	.20	.283
Halton	2nd of May, 1923	Nelson	1.04	
	11th of March, 1925	Esquesing	.20	
	14th of April, 1925	Oakville Town	1.53	
	14th of April, 1925	Trafalgar	7.87	
	14th of April, 1925	Burlington	1.55	
	14th of April, 1925	Nelson	4.60	15.79

County	Date of Designation	Municipality	Mileage	Total Mileage
Hastings	17th of June, 1925	Tyendinaga	.377	.377
Kent	11th of March, 1925	Raleigh	.80	.80
Lanark	1st of May, 1923	Perth Town	.45	
	15th of July, 1924	Carleton Place Town	.42	.87
Leeds	30th of June, 1924	Yonge	2.591	
	30th of June, 1924	Elizabethtown	.409	
	17th of June, 1925	S. Crosby	.012	
	17th of June, 1925	S. Crosby	.303	3.315
Middlesex	11th of July, 1923	Ailsa Craig Village	.78	.78
Peel	14th of April, 1925	Port Credit Village	1.87	
	14th of April, 1925	Toronto	7.51	9.38
Prince Edward	22nd of October, 1924	Ameliasburg	.60	
	22nd of October, 1924	Ameliasburg	.30	.90
Renfrew	14th January, 1925	Horton	5.00	5.00
Stormont	23rd of April, 1924	Cornwall Town	.50	.50
Waterloo	24th of June, 1925	Waterloo	.052	.052
Wellington	1st of August, 1923	Fergus Village	.29	.29
Wentworth	2nd of May, 1923	Saltfleet	7.60	
	1st of August, 1923	Saltfleet	.44	
	14th of April, 1925	Flamboro East	5.16	13.20
York	13th of February, 1924	Gwilliambury East	1.66	
	13th of February, 1924	King	1.27	
	19th of February, 1924	Scarboro	1.20	
	24th of June, 1925	Toronto City	.037	
	14th of April, 1925	Mimico Town	1.43	
	14th of April, 1925	New Toronto Town	.94	
	14th of April, 1925	Etobicoke	2.82	9.357
				68.4

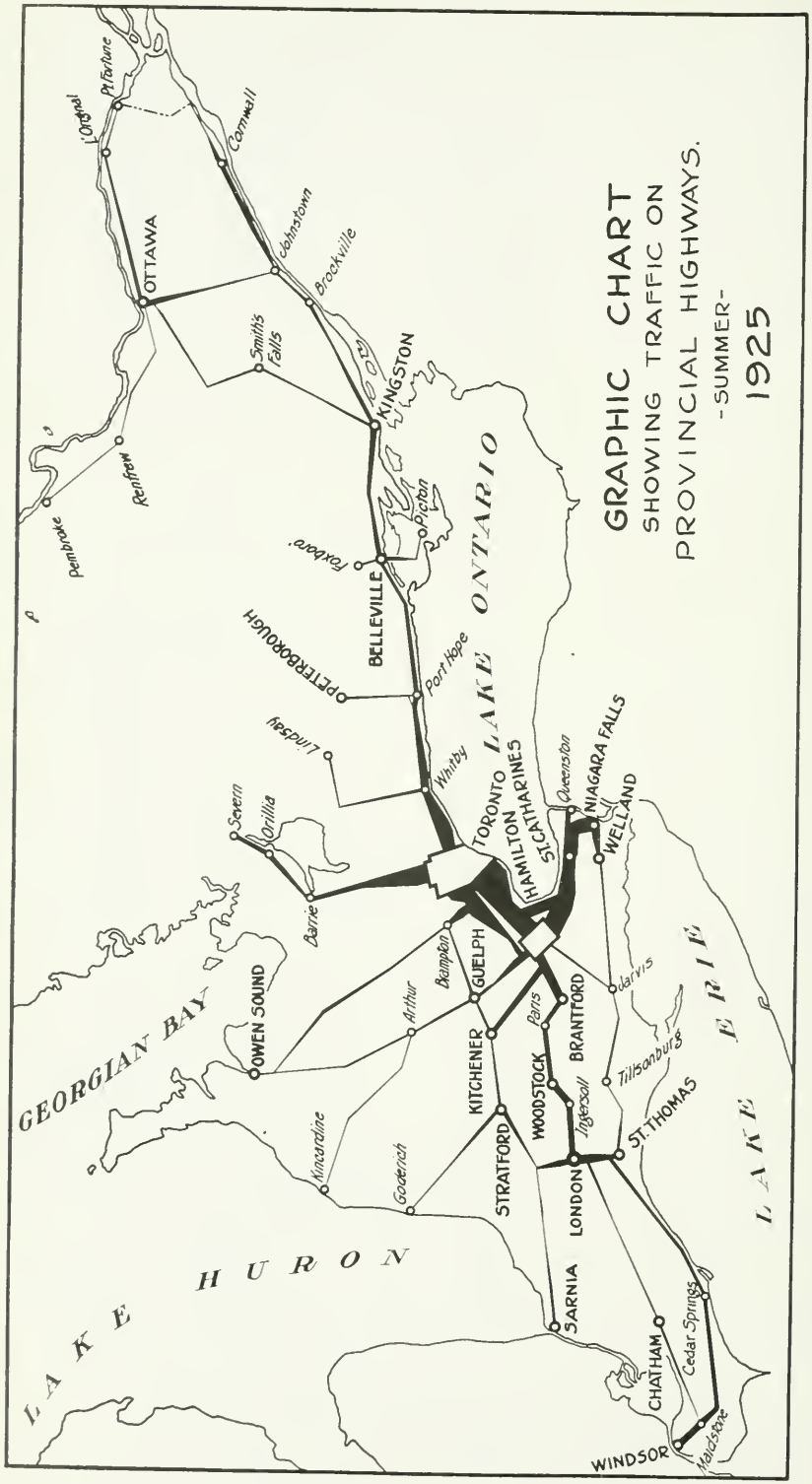
Reversions from January 1st, 1923 to December 31st, 1925

County	Municipality	Year	Mileage	Total Mileage
Bruce	Carrick	1925	1.10	1.10
Carleton	Nepean	1923	.87	
	Huntley	1924	.81	1.68
Durham	Port Hope Town	1925	.014	
	Cavan	1924	.015	.029
Grenville	Prescott Town	1925	.25	.25
Grey	Holland	1925	.84	
	Holland	1925	1.480	2.320
Halton	Esquesing	1925	.217	.217
Hastings	Tyendinaga	1925	.55	.55
Kent	Raleigh	1925	.80	.80
Leeds	Yonge	1924	.075	
	Crosby South	1925	.17	
	Crosby South	1925	.41	
	Brockville Town	1925	.27	.925
Lennox and Addington	Napanee Town	1925	.022	.022
Peterborough	Monaghan North	1924	.015	.015
Prince Edward	Ameliasburg	1924	.38	
	Ameliasburg	1924	.62	1.00
Renfrew	Horton	1925	4.40	4.40
Waterloo	Kitchener City	1925	.34	.34
Welland	Stamford	1924	.08	.08
Wentworth	Saltfleet	1924	.50	
	Hamilton City	1924	1.10	1.60
York	Scarboro	1924	1.00	
	Scarboro	1924	.435	
	King	1924	1.27	
	Gwilliambury East	1924	2.03	
	Toronto City	1925	.20	
	Toronto City	1925	.037	4.972
				20.3

APPENDIX No. 22

PROVINCIAL SUBURBAN ROAD AREAS

City	Direction	Miles	Total
Belleville	East	2 3/8	
	West	2	
	North	1 5/8	
	South	2 1/2	8 1/2
Brantford	Northwest	5 1/2	
	East	7 3/4	13 1/4
Chatham	East	5 3/4	
	West	6 3/8	12 1/8
Galt	North	1	
	Southeast	5 1/4	6 1/4
Guelph	East	2 3/4	
	West	2 1/2	
	South	3 1/2	
	North	2 7/8	11 5/8
Hamilton	East	9	
	South	6 1/4	
	Southwest	12	
	West	4 1/2	
	Hamilton entrance	6 3/4	
	Dundas Street	3 3/4	
	Toronto-Hamilton Highway	5 1/8	
	Burlington Beach Road	8 3/4	56 1/8
Kingston	East	5	
	West	5 7/8	
	North	4 7/8	15 3/4
Kitchener	East	3 1/4	
	West	3 3/8	
	South	6	12 5/8
London	East	9 1/2	
	South	10 1/4	
	North	5 1/4	
	West	2 1/2	27 1/2
Niagara Falls	West	4 1/4	
	North	3 1/2	7 3/4
Ottawa	South	17 1/2	
	East	7 1/2	
	West—Base Line	8 1/4	
	West—Carling Avenue	9 3/4	43
Owen Sound	South	6 3/4	6 3/4
Peterborough	West	5 5/8	5 5/8
Sarnia	East	5 5/8	5 5/8
St. Catharines	East	3 3/8	
	West	6	9 3/8
St. Thomas	North	4 3/4	
	East	7 1/4	12
Stratford	East	3 5/8	
	West	2 1/2	
	South	2 5/8	8 3/4
Toronto	East	25 1/2	
	North	27 1/4	
	West—Bloor Street	16 3/4	
	West—Hurontario Street	9 1/2	
	West—Cooksville-Port Credit	2 1/2	
	Toronto-Hamilton Highway	17 1/8	98 5/8
Welland	South	2	
	North	4	6
Windsor	East	13 3/4	13 3/4
Woodstock	East	2 1/8	
	West	2 7/8	5


GRAPHIC CHART
SHOWING TRAFFIC ON
PROVINCIAL HIGHWAYS.
-SUMMER-
1925
LAKE ONTARIO
LAKE ERIE
LAKE HURON
GEORGIAN BAY
OTTAWA
L'Orignal
Pt Fortune
Cornwall
Johnstown
Brockville
Smiths Falls
KINGSTON
Renfrew
Pembroke
Foxboro
Picton
BELLEVILLE
PETERBOROUGH
Lindsay
Port Hope
Whitby
Severn
Orillia
Barrie
TORONTO
HAMILTON
ST.CATHARINES
Queenston
NIAGARA FALLS
WELLAND
Arthur
Brampton
GUELPH
OWEN SOUND
KITCHENER
Paris
BRANTFORD
Jarvis
WOODSTOCK
Ingersoll
Tillsonburg
ST.THOMAS
Kincardine
Goderich
STRATFORD
LONDON
SARNIA
CHATHAM
Cedar Springs
WINDSOR
Malden

PROVINCIAL HIGHWAY TRAFFIC CENSUS—APPENDIX No. 23

Summary of Provincial Highways' Traffic Census—1914, 1922, 1924, 1925 and 1926

Road No.	Number of Stations					Average Daily Average								Average Daily Maximum							
	1914	1922	1924	1925	1926	Sum. 1914	Sum. 1922	Sum. 1924	Aut. 1924	Sum. 1925	Aut. 1925	Sum. 1926	Aut. 1926	Sum. 1914	Sum. 1922	Sum. 1924	Aut. 1924	Sum. 1925	Aut. 1925	Sum. 1926	Aut. 1926
2	14	23	33	36	35	247	1,032	1,821	1,008	1,854	979	2,542	.....	347	1,461	2,604	1,414	2,614	1,290	3,710	.....
3	2	11	16	16	16	195	518	863	537	925	490	1,214	.....	294	809	1,405	909	1,429	721	1,656	.....
4	3	3	4	4	4	187	552	1,599	887	1,428	588	1,803	.....	196	815	2,305	1,145	2,271	739	2,457	.....
5	3	3	6	6	8	494	1,184	2,383	1,694	3,071	1,728	2,840	.....	707	2,264	3,479	2,703	4,607	2,575	4,483	.....
6	2	5	6	7	7	142	471	1,069	686	788	611	1,329	.....	236	699	1,649	787	1,280	804	2,175	.....
7	5	9	14	14	14	145	389	621	396	677	440	983	.....	208	550	920	601	1,124	649	1,593	.....
8	4	5	10	10	11	234	2,006	2,620	1,318	2,876	1,219	3,388	.....	371	3,369	4,131	2,258	4,391	1,790	5,479	.....
8A	..	..	2	2	2	.....	.....	.....	754	2,675	963	5,316	.....	.....	.....	.....	1,214	3,856	1,654	9,222	.....
9	..	..	4	4	4	.....	.....	217	167	257	152	429	.....	.....	.....	306	219	378	159	672	.....
10	1	4	4	4	4	64	427	656	475	537	326	708	.....	76	564	851	586	744	410	1,020	.....
11	1	5	6	7	7	337	649	1,617	815	2,076	946	3,112	.....	500	1,113	2,676	1,269	3,148	1,160	4,943	.....
12	..	3	4	4	3	.....	357	713	359	605	292	816	.....	.....	508	1,151	509	1,065	365	1,768	.....
12A	1	2	2	2	2	60	418	644	392	570	267	741	.....	109	579	1,142	590	910	356	1,134	.....
14	..	2	3	3	3	.....	179	609	376	637	330	548	.....	.....	628	927	544	961	431	864	.....
15	..	1	5	5	6	.....	517	503	348	578	305	465	.....	.....	673	729	691	933	455	819	.....
16	1	3	3	3	3	94	524	680	460	838	344	1,029	.....	101	836	960	726	1,087	492	1,551	.....
17	1	5	7	7	7	198	362	345	289	452	223	539	.....	344	849	557	551	634	304	799	.....
17 rds1 st.	38	85	130	135	137	2,397	9,585	16,960	10,961	20,844	10,203	27,902	.....	3,489	15,717	25,792	16,716	31,432	14,354	44,345	.....
1 rd. at 1 st.						200	639	1,060	645	1,226	600	1,641	.....	291	1,048	1,612	983	1,849	844	2,609	.....
Per cent. increase over previous summer						.....	220%	65%	.....	16%	.....	34%	.....	.....	260%	54%	.....	14%	.....	41%	.....

AVERAGE DAILY AVERAGE, 1914

Traffic Census

Daily Average

Road No.	Location of Observer	Number of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
2	Windsor-Quebec boundary	14	86	....	....	2	159	247	347
3	Windsor-Niagara Falls	2	75	....	2	....	118	195	294
4	St. Thomas to Northern Highway	3	63	....	3	....	121	187	196
5	Toronto-Jarvis	3	234	....	9	....	251	494	707
6	Hamilton-Owen Sound	2	35	....	1	....	106	142	236
7	Port Credit-Sarnia	5	37	....	1	....	107	145	208
8	Niagara Falls-Goderich	4	95	....	1	....	138	234	371
10	Brampton-Owen Sound	1	13	....	....	....	51	64	76
11	Toronto-Severn	1	239	....	10	....	88	337	500
12A	Port Hope-Peterborough	1	18	....	....	....	42	60	109
16	Ottawa-Prescott	1	11	....	....	..	83	94	101
17	Point Fortune-Pembroke	1	39	....	....	....	159	198	344
	Total number of stations	38							
Total—Average Daily Average for 12 roads at 1 station			945	....	27	2	1,423	2,397	3,489
Average Daily Average for 1 road at 1 station			79	....	2	....	119	200	291
Percentage on whole			39.45	....	1.13	....	59.42	100.00	....

This traffic census was taken for seven consecutive days, the periods differing on the various roads from July 28th to September 6th. The weather was mostly fine.

AVERAGE DAILY AVERAGE—1922

Traffic Census

DAILY AVERAGE

Road No.	Location of Observer	Number of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
2	Windsor-Quebec Boundary	23	866	....	70	11	85	1,032	1,461
3	Windsor-Niagara Falls	11	438	....	31	2	47	518	809
4	St. Thomas to Northern Highway	4	456	....	30	1	65	552	815
5	Toronto-Jarvis	3	984	....	106	19	75	1,184	2,264
6	Hamilton-Owen Sound	5	388	1	23	6	53	471	699
7	Port Credit-Sarnia	9	323	2	18	....	46	389	550
8	Niagara Falls-Goderich	5	1,762	....	122	11	111	2,006	3,369
10	Brampton-Owen Sound	4	313	....	36	....	78	427	564
11	Toronto-Severn	5	584	....	34	1	30	649	1,113
12	Whitby-Lindsay	3	285	....	20	....	52	357	508
12A	Port Hope-Peterborough	2	340	....	18	....	60	418	579
14	Picton-Foxboro	2	143	....	10	....	26	179	628
15	Ottawa-Kingston	1	347	....	18	....	152	517	673
16	Ottawa-Prescott	3	418	....	24	6	76	524	836
17	Point Fortune-Pembroke	5	261	....	25	6	70	362	849
	Total number of stations	85							
Total—Average Daily Average for 15 roads at 1 station			7,908	3	585	63	1,026	9,585	15,717
	Average Daily Average for 1 road at 1 station		527	....	39	4	69	639	1,048
	Percentage on whole		82.6	....	6.1	.6	10.7	100.00	....

This traffic census was taken for seven consecutive days from August 30th to September 5th.
The weather was fine throughout the week.

AVERAGE DAILY AVERAGE—SUMMER, 1924

Traffic Census

Daily Average

Road No.	Location of Observer	Number of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
2	Windsor-Quebec Boundary	33	1,426	201	118	18	58	1,821	2,604
3	Windsor-Niagara Falls	16	630	128	60	4	41	863	1,405
4	St. Thomas to Northern Highway	4	1,351	115	79	4	50	1,599	2,305
5	Toronto-Jarvis	6	2,149	39	152	14	29	2,383	3,479
6	Hamilton-Owen Sound	7	908	32	62	4	63	1,069	1,649
7	Port Credit-Sarnia	14	470	76	30	1	44	621	920
8	Niagara Falls-Goderich	10	1,932	491	143	14	40	2,630	4,131
9	Arthur-Kincardine	4	161	5	8	.....	43	217	306
10	Brampton-Owen Sound	4	544	6	37	2	67	656	851
11	Toronto-Severn	6	1,446	66	71	6	28	1,617	2,676
12	Whitby-Lindsay	4	644	14	26	.....	29	713	1,151
12A	Port Hope-Peterborough	2	546	33	27	.....	38	644	1,142
14	Picton-Foxboro	3	485	6	35	1	82	609	927
15	Ottawa-Kingston	5	394	15	33	.....	61	503	729
16	Ottawa-Prescott	3	550	56	32	3	39	680	960
17	Point Fortune-Pembroke	7	247	13	18	4	63	345	557
	Total number of stations	128							
Total—	Average Daily Average on 17 roads at 1 station		13,883	1,296	931	75	775	16,960	25,792
	Average Daily Average on 1 road at 1 station		868	81	58	5	48	1,060	1,612
	Percentage on whole		81.85	7.65	5.49	.44	4.57	100.00	.....

This traffic census was taken for seven consecutive days from July 28th to August 3rd.
The weather during this week was fine for five days and scattered showers on the other two days.

AVERAGE DAILY AVERAGE—AUTUMN, 1924

Traffic Census

DAILY AVERAGE

Road No.	Location of Observer	Number of Stations	Automobiles		Trucks	Busses	Horse-drawn Average	Total Daily Vehicles	Maximum for One Day
			Ontario	Foreign					
2	Windsor to Quebec Boundary	32	766	39	124	14	65	1,008	1,414
3	Windsor to Niagara Falls	16	393	47	50	4	43	537	909
4	St. Thomas to Northern Highway	4	749	13	64	2	59	887	1,145
5	Toronto to Jarvis	6	1,448	18	168	13	47	1,694	2,703
6	Hamilton to Owen Sound	7	548	8	64	4	62	686	787
7	Port Credit to Sarnia	14	306	15	34	1	40	396	601
8	Niagara Falls to Goderich	10	922	175	163	12	46	1,318	2,258
8A	Burlington Beach Highway	2	595	36	103	.....	20	754	1,214
9	Arthur to Kincardine	4	109	2	8	.....	48	167	219
10	Brampton to Owen Sound	4	374	1	33	2	65	475	586
11	Toronto to Severn	6	672	10	95	5	33	815	1,269
12	Whitby to Lindsay	4	301	1	22	.....	35	359	509
12A	Port Hope to Peterborough	2	306	4	35	.....	47	392	590
14	Picton to Foxboro	3	272	1	36	2	65	376	544
15	Ottawa to Kingston	5	262	6	20	.....	60	348	691
16	Ottawa to Prescott	3	368	23	30	.....	39	460	726
17	Point Fortune to Pembroke	7	171	39	16	4	59	289	551
	Total number of stations	129							
Total—	Average Daily Average on 17 roads, 1 station		8,562	438	1,065	63	833	10,961	16,716
	Average Daily Average on 1 road, 1 station		503	26	63	4	49	645	983
	Percentage on whole		77.98	4.03	9.77	.62	7.60	100.00	.....

This traffic census was taken for seven consecutive days from October 28th to November 3rd.
The weather was fine throughout this week.

AVERAGE DAILY AVERAGE—SUMMER, 1925

Traffic Census

Daily Average

Road No.	Location of Observer	Number of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
2	Windsor to Quebec Boundary	36	1,236	410	148	17	43	1,854	2,614
3	Windsor to Niagara Falls	16	558	277	61	2	27	925	1,429
4	St. Thomas to Northern Highway	4	1,004	307	89	4	24	1,428	2,271
5	Toronto to Jarvis	7	2,532	201	298	16	24	3,071	4,607
6	Hamilton to Owen Sound	7	624	54	59	5	46	788	1,280
7	Port Credit to Sarnia	14	504	100	45	1	27	677	1,124
8	Niagara Falls to Goderich	10	1,537	1,092	191	21	35	2,876	4,391
8A	Burlington Beach Highway	2	2,096	344	185	2	48	2,675	3,856
9	Arthur to Kincardine	4	191	9	12	.....	45	257	378
10	Brampton to Owen Sound	4	449	15	29	3	41	537	744
11	Toronto to Severn	7	1,691	210	150	2	23	2,076	3,148
12	Whitby to Lindsay	4	513	31	31	.....	30	605	1,065
12A	Port Hope to Peterborough	1	467	51	33	.....	19	570	910
14	Picton to Foxboro	3	527	28	40	1	41	637	961
15	Ottawa to Kingston	5	409	78	30	3	58	579	933
16	Ottawa to Prescott	3	618	134	43	10	33	838	1,087
17	Point Fortune to Pembroke	7	256	99	22	8	67	452	634
	Total number of stations	134							
Total—Average Daily Average on 17 roads, 1 station			15,212	3,440	1,466	95	631	20,844	31,432
Average Daily Average on 1 road, 1 station			895	202	86	6	37	1,226	1,849
Percentage on whole			73.	16.48	7.02	.49	3.01	100.00	.....

This traffic census was taken for seven consecutive days from August 5th to August 11th.
The weather throughout this week was five days fine and two days showery.

AVERAGE DAILY AVERAGE—AUTUMN, 1925

Traffic Census

Daily Average

Road No.	Location of Observer	Number of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
2	Windsor to Quebec Boundary	36	723	52	137	22	45	979	1,290
3	Windsor to Niagara Falls	15	368	23	56	6	37	490	721
4	St. Thomas to Northern Highway	4	498	11	52	3	24	588	739
5	Toronto to Jarvis	6	1,439	28	223	13	25	1,728	2,575
6	Hamilton to Owen Sound	7	483	7	66	5	50	611	804
7	Port Credit to Sarnia	14	349	13	42	2	34	440	649
8	Niagara Falls to Goderich	9	810	193	167	19	30	1,219	1,790
8a	Burlington Beach Highway	2	739	48	140	.....	36	963	1,654
9	Arthur to Kincardine	4	89	1	6	.....	56	152	159
10	Brampton to Owen Sound	4	243	.....	29	2	52	326	410
11	Toronto to Severn	7	770	6	139	4	27	946	1,160
12	Whitby to Lindsay	4	234	1	27	.....	30	292	365
12a	Port Hope to Peterborough	2	204	2	25	.....	36	267	356
14	Picton to Foxboro	3	258	2	24	3	43	330	431
15	Ottawa to Kingston	5	225	5	23	3	49	305	455
16	Ottawa to Prescott	3	239	35	228	6	36	344	492
17	Point Fortune to Pembroke	7	126	21	21	5	50	223	304
	Total number of stations	132							
Total—	Average Daily Average on 17 roads, 1 station		7,797	448	1,205	93	660	10,203	14,354
	Average Daily Average on 1 road, 1 station		459	26	71	5	39	600	844
	Percentage on whole		76.5	4.4	11.8	.8	6.5	100.00	.....

This traffic census was taken for seven consecutive days from October 24th to 30th.
During this week there were five days of rain or snow and two days fine.

AVERAGE DAILY AVERAGE—SUMMER, 1926

Traffic Census

DAILY AVERAGE

Road No.	Location of Observer	Number of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
2	Windsor to Quebec Boundary	35	1,822	486	176	23	35	2,542	3,710
3	Windsor to Niagara Falls	16	784	278	109	7	36	1,214	1,656
4	St. Thomas to Northern Highway	4	1,433	255	87	6	22	1,803	2,457
5	Toronto to Jarvis	8	2,458	142	199	20	21	2,840	4,483
6	Hamilton to Owen Sound	7	1,114	77	83	9	46	1,329	2,175
7	Port Credit to Sarnia	14	759	132	57	8	27	983	1,593
8	Niagara Falls to Goderich	11	1,997	1,138	193	29	31	3,388	5,479
8A	Burlington Beach Highway	2	4,287	694	297	7	31	5,316	9,222
9	Arthur to Kincardine	4	351	15	17	.....	46	429	672
10	Brampton to Owen Sound	4	617	10	42	4	35	708	1,020
11	Toronto to Severn	7	2,725	218	140	10	19	3,112	4,943
12	Whitby to Lindsay	3	725	29	30	4	28	816	1,768
12A	Port Hope to Foxboro	2	585	76	43	3	34	741	1,134
14	Picton to Peterborough	3	432	24	41	1	50	548	864
15	Ottawa to Kington	6	439	49	30	.....	45	565	819
16	Ottawa to Prescott	3	763	169	58	9	30	1,029	1,551
17	Point Fortune to Pembroke	7	334	109	34	8	54	539	799
	Total number of stations	136							
Total—Average Daily Average on 17 roads at 1 station			21,625	3,901	1,636	150	590	27,902	44,345
	Average Daily Average on 1 road at 1 station		1,272	229	96	9	35	1,641	2,609
	Percentage of whole		77.51	13.96	5.85	.55	2.13	100	.....

This traffic census was taken for seven consecutive days from July 29th to August 4th.
Five days fine and warm, two days rain.

WINDSOR-QUEBEC BOUNDARY HIGHWAY — Road No. 2

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South of Windsor at Howard Avenue	S. 1914	99	.....	3	.....	112	214	313
		1922	1,081	.....	51	4	50	1,186	1,966
		S. 1924	1,989	377	176	19	17	2,578	4,773
		A. 1924	952	208	162	18	21	1,361	2,725
		S. 1925	972	640	102	4	9	1,727	3,654
		A. 1925	1,160	50	192	37	60	1,499	1,515
		S. 1926	1,795	173	529	24	131	2,652	3,425
2	Maidstone	1922	330	.....	14	.....	27	371	802
		S. 1924	200	75	17	.....	20	312	548
		A. 1924	46	2	9	.....	17	74	148
		S. 1925	151	18	18	.....	13	200	410
		A. 1925	127	11	23	.....	12	173	322
		S. 1926	186	41	30	.....	22	279	382
3	Woodslee	S. 1924	327	87	21	.....	61	496	808
		A. 1924	234	18	16	.....	31	299	528
		S. 1925	199	16	122	.....	27	364	423
		A. 1925	Under construction						
		S. 1926	271	38	42	.....	31	382	430
4	West of Chatham, Townline Road between Tilbury East and Tilbury North	1922	156	.....	11	5	7	179	286
		S. 1924	394	112	29	1	41	577	895
		A. 1924	482	58	50	9	114	713	1,066
		S. 1925	482	187	43	10	21	743	1,360
		A. 1925	383	108	54	9	50	640	938
		S. 1926	712	389	57	13	11	1,182	1,748
5	East of Chatham at Tupperville Road	1914	16	.....	.....	.....	54	70	108
		1922	209	.....	18	.....	23	250	424
		S. 1924	653	107	42	3	10	815	1,108
		A. 1924	528	26	41	2	29	626	971
		S. 1925	486	58	64	4	13	625	911
		A. 1925	418	38	41	3	19	519	677
		S. 1926	715	237	75	7	7	1,041	1,430

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Road No. 2
—(Con.)

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
6	Wardsville	1922	587	.....	27	.....	118	732	930
		S. 1924	545	108	46	.....	83	782	961
		A. 1924	368	16	29	.....	73	486	542
		S. 1925	317	59	28	1	51	456	558
		A. 1925	383	79	36	1	48	547	643
		S. 1926	Under construction						
7	Christina	S. 1925	73	3	14	.....	11	101	110
		A. 1925	320	35	34	1	16	406	445
		S. 1926	525	173	35	6	15	754	984
8	Lambeth	S. 1925	664	129	51	1	13	858	1,166
		A. 1925	1,058	23	148	6	28	1,263	1,486
		S. 1926	1,590	300	125	7	11	2,033	2,652
9	East of London at Whyton Road	1914	86	.....	2	.....	112	200	233
		1922	868	.....	37	5	25	935	1,304
		S. 1924	1,102	498	60	.....	20	1,680	2,426
		A. 1924	659	117	44	.....	21	841	1,306
		S. 1925	1,036	1,012	82	2	17	2,149	3,357
		A. 1925	685	152	109	1	22	969	1,234
		S. 1926	1,629	1,031	128	2	12	2,802	4,069
10	Beachville	1914	100	.....	3	.....	156	259	323
		1922	639	.....	49	.....	99	787	952
		S. 1924	1,292	291	72	.....	91	1,746	2,190
		A. 1924	909	69	93	.....	79	1,150	1,413
		S. 1925	1,121	867	98	1	101	2,188	2,762
		A. 1925	641	207	90	1	84	1,023	1,108
		S. 1926	1,395	966	98	17	62	2,538	3,597
11	Eastwood Corners	1914	58	.....	3	.....	87	148	285
		1922	612	.....	22	5	65	704	940
		S. 1924	774	413	47	.....	25	1,259	1,646
		A. 1924	Under construction.						
		S. 1925	773	756	69	1	15	1,614	2,318
		A. 1925	460	64	57	1	21	603	758
		S. 1926	1,286	926	85	1	14	2,312	3,271

12	Concessions 1 and 2, Brantford Township		1914	53	.....	2	.....	39	94	124
			1922	411	.....	51	1	80	543	687
		S.	1924	944	253	68	.....	10	1,275	1,890
		A.	1924	580	16	56	.....	17	669	929
		S.	1925	924	459	81	1	10	1,475	2,175
		A.	1925	605	99	92	.....	17	813	1,251
		S.	1926	1,717	863	135	3	12	2,730	4,089
13	Cainsville		1914	131	.....	.....	.....	257	389	578
			1922	1,425	.....	72	25	86	1,608	2,154
		S.	1924	1,892	435	90	35	112	2,564	3,910
		A.	1924	1,059	74	123	32	120	1,408	2,096
		S.	1925	1,608	814	164	32	71	2,689	4,272
		A.	1925	1,078	164	164	4	104	1,514	2,004
		S.	1926	2,785	1,236	228	14	64	4,327	6,158
14	Binkley's Corners		1914	153	.....	10	.....	321	484	666
			1922	2,668	.....	264	78	120	3,130	4,005
		S.	1924	4,856	275	405	128	97	5,761	7,343
		A.	1924	1,279	84	170	.....	42	1,575	2,377
		S.	1925	1,817	789	223	.....	38	2,867	3,973
		A.	1925	1,301	87	244	.....	40	1,672	2,004
		S.	1926	2,543	931	251	8	29	3,762	5,273
15	Burlington	S.	1924	4,372	602	319	24	6	5,323	8,411
		A.	1924	2,044	42	448	44	14	2,592	3,367
		S.	1925	3,202	1,111	506	65	15	4,899	6,818
		A.	1925	1,726	129	459	53	10	2,377	3,177
		S.	1926	4,376	1,133	541	85	5	6,140	8,691
16	Oakville	S.	1924	4,364	614	414	28	19	5,439	8,871
		A.	1924	2,302	47	546	46	35	2,976	3,627
		S.	1925	2,889	996	482	61	20	4,448	5,598
		A.	1925	1,867	149	522	54	22	2,614	3,333
		S.	1926	4,058	1,009	509	87	13	5,676	8,658
17	Long Branch	S.	1924	6,325	563	686	199	85	7,858	10,445
		A.	1924	3,832	78	793	139	102	4,944	6,534
		S.	1925	6,958	985	926	207	57	9,133	10,089
		A.	1925	2,943	72	657	311	84	4,067	5,090
		S.	1926	6,349	1,559	780	271	57	9,016	13,352
18	Corner Danforth Avenue and Markham Road		1922	4,126	.....	429	91	133	4,779	7,310
		S.	1924	2,268	21	446	77	108	2,920	3,645
		A.	1924	1,496	5	406	80	188	2,175	2,605
		S.	1925	3,313	174	553	61	132	4,233	7,872
		A.	1925	1,923	25	537	102	197	2,782	3,679
		S.	1926	6,494	270	498	51	79	7,392	12,115
18½	Junction, Old Kingston Road and Provincial Highway	S.	1925	3,551	867	485	21	63	4,987	7,814
		A.	1925	2,096	35	371	19	23	2,544	3,939
		S.	1926	6,765	630	642	59	39	8,135	12,056

WINDSOR-QUEBEC BOUNDARY HIGHWAY

Road No. 2—(Con.)

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
19	Westhill	1914	174	.....	1	.....	79	254	411
		1922	1,526	.....	191	.....	71	1,788	2,737
		S. 1924	3,481	190	242	20	26	3,959	6,494
		A. 1924	1,497	13	202	20	19	1,751	2,960
		S. 1925	2,994	444	314	21	25	3,798	6,255
		A. 1925	1,358	33	341	22	19	1,773	2,620
		S. 1926	4,518	533	434	51	17	5,553	8,786
20	Courtice Corners	S. 1924	589	88	27	.....	30	734	1,145
		A. 1924	78	7	13	. . .	20	118	157
		S. 1925	1,448	378	111	23	21	1,981	2,896
		A. 1925	706	19	69	21	10	825	982
		S. 1926	2,164	410	119	25	25	2,743	3,981
21	Welcome Corners, Welcome-Port Hope Highway	1922	708	. . .	23	1	90	822	1,096
		S. 1924	1,124	180	47	. . .	77	1,428	1,858
		A. 1924	447	15	37	. . .	89	588	787
		S. 1925	865	358	45	6	48	1,302	1,732
		A. 1925	370	9	96	4	72	551	723
		S. 1926	1,556	382	70	7	54	2,069	3,289
22	Welcome Corners, Highway east of	S. 1924	281	15	10	. . .	26	332	544
		A. 1924	176	2	11	.....	33	222	330
		S. 1925	253	66	15	.... .	21	355	586
		A. 1925	104	.....	57	.... .	26	187	429
		S. 1926	368	38	13	. . .	21	440	788
23	Dale Corner, Welcome Road	S. 1924	274	18	12	. . .	56	360	557
		A. 1924	195	3	17	. ...	27	242	338
		S. 1925	Not taken.						
		A. 1925	58	.....	5	.....	12	75	165
		S. 1926	318	45	18	.....	15	396	700
24	East of Brighton	1922	484	.....	15	. . .	50	549	700
		S. 1924	756	137	44	1	63	1,001	1,192
		A. 1924	422	19	81	2	103	627	700
		S. 1925	644	315	47	1	53	1,060	1,320
		A. 1925	381	17	93	1	75	567	644
		S. 1926	Under construction.						

25	West of Belleville, Lot 31, Con. 1, Sidney Township		1914	67	. . . .	1	.....	155	223	278
			1922	793	.....	73	9	173	1,048	1,380
		S.	1924	932	120	57	10	56	1,175	1,519
		A.	1924	363	15	122	13	160	673	776
		S.	1925	638	227	41	.....	30	936	1,336
		A.	1925	516	8	56	67	104	751	773
		S.	1926	1,241	260	77	6	29	1,613	2,040
26	East of Belleville at Point Anne Road		1914	28	.....	.....	.....	107	135	191
			1922	545	.....	34	5	57	641	858
		S.	1924	809	84	30	4	29	956	1,225
		A.	1924	678	19	57	4	36	794	1,140
		S.	1925	1,025	301	46	5	24	1,401	1,760
		A.	1925	497	17	37	6	23	580	775
		S.	1926	1,077	319	60	11	29	1,496	1,910
27	Marysville	S.	1924	486	119	21	1	63	690	850
		A.	1924	288	8	20	.....	46	362	430
		S.	1925	467	301	29	.....	47	844	1,033
		A.	1925	281	15	27	2	49	374	442
		S.	1926	644	332	32	5	35	1,048	1,243
28	Cataraqui Corner		1914	63	.....	2	.....	411	476	695
			1922	770	.....	65	9	160	1,004	1,341
		S.	1924	1,110	177	78	7	82	1,454	1,854
		A.	1924	764	31	63	6	38	902	1,372
		S.	1925	1,218	321	65	6	48	1,658	1,958
		A.	1925	651	9	41	7	53	761	1,219
		S.	1926	1,515	337	93	13	55	2,013	3,220
29	Barriefield	S.	1924	956	154	53	7	36	1,206	1,584
		A.	1924	437	32	39	5	37	550	864
		S.	1925	761	363	62	10	33	1,229	1,458
		A.	1925	342	23	39	7	32	443	648
		S.	1926	984	362	71	7	36	1,460	1,749
29½	Mallorytown	S.	1925	261	233	22	5	30	551	697
		A.	1925	102	26	11	5	12	156	235
		S.	1926	354	234	22	5	38	653	782
30	West of Brockville at Lynn Road		1914	137	.....	.....	.....	277	414	539
			1922	608	.....	55	.....	158	821	.....
		S.	1924	978	105	41	6	86	1,216	1,732
		A.	1924	496	46	44	2	70	658	957
		S.	1925	706	281	41	11	29	1,068	1,412
		A.	1925	182	7	27	3	24	243	345
		S.	1926	866	332	54	5	33	1,290	1,779

WINDSOR-QUEBEC BOUNDARY HIGHWAY (Road No. 2—Con.)

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
31	East of Brockville, Lot 1, Con. 1, Elizabethtown Township	1914	38	.....	.....	.....	58	96	114
		1922	514	.....	43	7	68	632	.....
		S. 1924	782	118	53	7	61	1,021	1,341
		A. 1924	528	18	48	6	57	657	952
		S. 1925	534	230	71	11	54	880	1,110
		A. 1925	289	25	43	10	32	399	670
		S. 1926	844	301	79	12	30	1,266	1,773
32	Johnstown Corners	1922	214	.....	5	7	43	269	403
		S. 1924	741	119	31	5	31	927	1,483
		A. 1924	333	43	25	3	25	429	675
		S. 1925	353	222	23	6	17	621	824
		A. 1925	107	43	13	3	18	184	223
		S. 1926	457	244	32	4	13	750	1,116
33	Intersection of Morrisburg-Ottawa Highway and River Road at Morrisburg	S. 1924	579	61	60	10	121	831	1,002
		A. 1924	449	39	45	14	90	637	933
		S. 1925	866	280	111	12	208	1,477	1,925
		A. 1925	256	32	42	7	84	421	519
		S. 1926	361	250	47	4	38	700	801
34	West limits of Cornwall	S. 1922	573	.....	69	1	199	842	943
		S. 1924	709	84	77	4	141	1,015	1,194
		A. 1924	527	30	75	3	163	798	1,100
		S. 1925	796	262	140	5	164	1,367	1,516
		A. 1925	569	38	87	4	119	817	1,191
		S. 1926	1,086	429	122	5	118	1,760	2,574
35	Bainsville side-road	1922	70	.....	1	.....	40	112	136
		S. 1924	160	52	68	.....	132	412	496
		A. 1924	71	41	69	.....	180	361	531
		S. 1925	51	244	26	.....	25	446	636
		A. 1925	80	33	14	1	23	151	217
		S. 1926	206	309	17	1	25	558	921

WINDSOR-NIAGARA FALLS HIGHWAY—Via St. Thomas and Welland

Road No. 3

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
..	South of Windsor at Howard Avenue	1914	99	.....	3	.....	112	214	313
		1922	1,081	.....	51	4	50	1,186	1,966
		S. 1924	1,989	377	176	19	17	2,578	4,773
		A. 1924	952	208	162	18	21	1,361	2,725
		S. 1925	972	640	102	4	9	1,727	2,654
		A. 1925	1,160	50	192	37	60	1,499	1,515
		S. 1926	1,795	173	529	24	131	2,652	3,425
1	Maidstone	1922	330	.....	14	.....	25	369	802
		S. 1924	1,207	438	142	16	30	1,833	3,481
		A. 1924	747	223	120	13	41	1,124	2,577
		S. 1925	1,009	745	181	11	22	1,968	2,637
		A. 1925	766	99	125	11	20	1,021	1,630
		S. 1926	1,574	861	237	14	30	2,716	3,881
2	North of Cottam	1922	668	.....	50	.....	26	744	1,420
		S. 1924	844	417	129	12	54	1,456	2,614
		A. 1924	428	75	55	5	18	581	1,425
		S. 1925	587	501	102	1	17	1,208	2,448
		A. 1925	240	19	45	10	17	331	445
		S. 1926	1,150	680	127	14	16	1,987	2,898
3	Cedar Springs	1922	668	.....	46	7	30	748	1,178
		S. 1924	748	88	117	.....	23	976	1,483
		A. 1924	347	22	50	.....	40	459	645
		S. 1925	572	330	59	2	14	977	1,825
		A. 1925	259	13	44	4	24	344	401
		S. 1926	959	463	89	3	33	1,548	2,023
4	Morpeth	1922	337	.....	25	.....	64	426	514
		S. 1924	433	100	27	.....	21	581	930
		A. 1924	282	18	22	.....	30	352	460
		S. 1925	552	420	43	.....	23	1,038	1,534
		A. 1925	255	10	30	1	26	322	567
		S. 1926	722	423	57	8	50	1,260	1,616
5	Wallacetown	1922	139	.....	26	.....	79	244	277
		S. 1924	377	80	18	.....	41	516	770
		A. 1924	300	14	20	.....	75	409	495
		S. 1925	428	416	17	.....	11	872	1,262
		A. 1925	145	13	14	.....	23	195	274
		S. 1926	526	335	26	1	11	898	1,208

WINDSOR-NIAGARA FALLS HIGHWAY—Via St. Thomas and Welland

Road No. 3—(Con.)

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
6	Talbotville	1922	224	.....	14	.....	89	327	402
		S. 1924	432	65	26	.....	27	550	870
		A. 1924	336	16	27	.....	53	432	594
		S. 1925	533	376	42	.....	33	984	1,360
		A. 1925	Under construction.						
		S. 1926	659	250	36	1	10	955	1,316
7	New Sarum	1914	51	.....	.....	.....	125	176	274
		1922	545	.....	41	.....	45	631	920
		S. 1924	836	55	36	1	43	971	1,675
		A. 1924	559	12	39	.....	32	642	953
		S. 1925	726	97	40	.....	19	882	1,454
		A. 1925	418	4	40	.....	20	482	726
		S. 1926	865	108	52	9	21	1,055	1,239
8	Bayham Road	S. 1924	245	32	15	.....	23	315	586
		A. 1924	100	6	6	.....	12	124	195
		S. 1925	139	69	8	....	9	225	324
		A. 1925	56	3	6	.....	8	73	105
		S. 1926	223	98	15	5	10	351	442
9	Courtland	S. 1924	397	37	42	.....	113	589	707
		A. 1924	281	8	36	.....	81	406	491
		S. 1925	336	80	44	.....	65	525	695
		A. 1925	249	5	34	.....	102	390	491
		S. 1926	477	96	61	8	77	719	851
10	Renton	S. 1924	325	24	15	.....	88	452	532
		A. 1924	293	6	23	.....	42	364	624
		S. 1925	253	62	21	.....	30	366	427
		A. 1925	191	4	15	.....	43	253	318
		S. 1926	342	110	144	9	30	635	739
11	Jarvis	1922	195	.....	21	7	34	257	334
		S. 1924	445	34	48	.....	56	583	660
		A. 1924	490	5	63	3	98	659	846
		S. 1925	346	57	37	.....	41	481	555
		A. 1925	386	2	63	5	83	539	684
		S. 1926	652	94	63	8	67	884	1,106

12	Nelles Corners	S. 1924	261	43	28	5	22	359	497
		A. 1924	187	13	27	6	36	269	336
		S. 1925	321	94	39	4	27	485	604
		A. 1925	227	10	33	6	26	302	374
		S. 1926	390	120	55	1	13	580	738
13	Canboro Corners	1922	301	.....	18	4	30	353	489
		S. 1924	301	50	26	.....	20	397	717
		A. 1924	199	32	34	.....	24	289	478
		S. 1925	350	94	37	7	25	513	744
		A. 1925	182	16	34	7	30	269	379
		S. 1926	439	119	42	6	20	626	982
14	Forks Road, Lots 39, 40	1922	329	.....	33	5	41	408	592
		S. 1924	253	61	30	4	18	366	731
		A. 1924	246	39	42	4	23	354	732
		S. 1925	351	137	49	3	19	559	996
		A. 1925	264	32	41	4	23	364	464
		S. 1926	683	200	59	5	18	965	1,758
15	West of Niagara Falls at Montrose Road	S. 1924	593	150	85	5	49	882	1,446
		A. 1924	451	59	76	5	57	648	968
		S. 1925	1,445	307	162	8	62	1,984	3,350
		A. 1925	723	64	120	6	54	967	1,072
		S. 1926	1,069	319	156	5	57	1,606	2,271

ST. THOMAS-NORTHERN HIGHWAY—Via London

Road No. 4

Traffic Census

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Talbotville	1914	55	.....	4	.....	96	155	292
		1922	331	.....	12	.....	88	431	674
		S. 1924	1,451	135	96	.....	40	1,723	2,609
		A. 1924	875	32	75	.....	65	1,047	1,308
		S. 1925	928	144	65	.....	15	1,152	1,830
		A. 1925	505	5	56	.....	31	597	684
		S. 1926	1,902	420	97	1	24	2,444	3,183
2	Lambeth	1914	84	.....	4	.....	163	251	305
		1922	391	.....	27	.....	57	476	672
		S. 1924	2,501	87	119	9	75	2,791	3,898
		A. 1924	1,545	14	123	6	79	1,767	2,178
		S. 1925	1,625	579	171	6	33	2,415	3,748
		A. 1926	764	27	87	3	21	902	1,199
		S. 1926	2,129	433	131	4	19	2,716	3,717
3	North of London, Concessions 4 and 5, London Township	1914	51	.....	2	.....	104	157	181
		1922	786	.....	66	2	87	941	1,324
		S. 1924	1,052	224	72	5	62	1,415	2,087
		A. 1924	339	4	40	2	63	448	688
		S. 1925	1,221	482	107	6	38	1,854	3,022
		A. 1925	581	12	57	5	29	684	867
		S. 1926	1,059	109	88	9	34	1,299	1,809
4	Elginfield	1922	316	.....	16	1	26	359	588
		S. 1924	399	13	29	2	24	467	624
		A. 1924	236	.....	18	2	28	284	407
		S. 1925	243	25	12	3	9	292	483
		A. 1925	142	2	8	3	14	169	207
		S. 1926	640	57	35	11	11	754	1,119

TORONTO-JARVIS HIGHWAY—Via Dundas Highway

Traffic Census

DAILY AVERAGE

Road No. 5

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
0	City limits, Bloor Street West	S. 1925	5,519	422	798	42	55	6,836	9,492
		A. 1925	Not taken.						
1	Bloor and Dundas Street intersection	1914	348	.....	14	.....	250	612	910
		1922	1,576	.....	85	30	60	1,751	4,106
		S. 1924	4,187	6	304	32	41	4,570	6,468
		A. 1924	2,696	24	373	23	45	3,161	5,242
		S. 1925	3,592	196	412	25	15	4,240	6,253
		A. 1925	2,067	42	381	15	13	2,518	3,653
		S. 1926	5,558	189	461	33	12	6,253	9,523
2	Cooksville	1914	312	.....	13	.....	264	590	719
		1922	851	.....	143	.....	69	1,063	1,785
		S. 1924	4,101	70	365	19	55	4,610	7,001
		A. 1924	2,651	24	334	19	68	3,096	4,948
		S. 1925	4,062	247	520	25	39	4,893	7,914
		A. 1925	3,232	39	621	32	36	3,960	6,506
		S. 1926	5,791	270	554	47	36	6,698	10,856
3	Trafalgar	S. 1924	2,064	62	60	.....	11	2,197	3,026
		A. 1924	1,238	25	97	.....	19	1,379	2,294
		S. 1925	1,705	192	143	5	12	2,057	3,411
		A. 1925	1,091	27	106	6	8	1,238	1,738
		S. 1926	2,353	219	141	12	11	2,736	4,538
4	Junction of Dundas and Brant Streets	S. 1925	1,095	158	59	7	4	1,323	2,184
		A. 1925	848	33	74	6	8	969	1,343
		S. 1926	1,900	198	101	10	6	2,215	3,598
5	Clappison's Corners	S. 1924	1,680	72	92	.....	13	1,857	2,924
		A. 1924	1,182	24	86	.....	12	1,304	2,060
		S. 1925	1,371	163	116	7	11	1,668	2,631
		A. 1925	1,043	25	115	6	13	1,202	1,609
		S. 1926	2,085	174	123	11	6	2,399	3,893
6	Concessions 5 and 6, Glanford Township	S. 1924	542	10	63	34	18	667	976
		A. 1924	485	7	75	31	44	642	820
		S. 1925	Closed to	traffic.					
		A. 1925	Closed to	traffic.					
		S. 1926	967	45	113	20	28	1,173	1,756
6½	At Ohsweken Road	S. 1926	506	20	59	14	25	624	869
7	Jarvis	1914	41	.....	1	.....	240	282	492
		1922	525	.....	90	26	97	738	900
		S. 1924	321	11	25	.....	35	392	481
		A. 1924	439	2	45	6	91	583	855
		S. 1925	377	26	38	5	33	479	634
		A. 1925	354	1	42	10	74	481	600
		S. 1926	505	23	43	12	42	625	834

HAMILTON-OWEN SOUND HIGHWAY

Road No. 6

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Clappison's Corners	S. 1924	2,209	98	169	10	40	2,526	3,705
		A. 1924	1,498	28	176	9	43	1,754	2,720
		S. 1925	1,470	192	185	15	39	1,901	3,065
		A. 1925	1,305	28	209	14	33	1,589	2,017
		S. 1926	2,503	204	195	24	19	2,945	4,682
2	Freelton	1914	34	.....	.....	.....	107	141	238
		1922	516	.....	40	12	23	591	911
		S. 1924	916	31	81	9	46	1,083	1,718
		A. 1924	559	8	85	10	44	706	1,043
		S. 1925	503	38	59	8	27	635	1,075
		A. 1925	488	10	87	10	33	628	892
		S. 1926	1,140	68	95	14	28	1,345	2,289
3	South of Guelph, Lots 6 and 7, Puslinch Township	1914	37	.....	2	.....	105	144	233
		1922	872	.....	60	16	43	991	1,582
		S. 1924	1,321	60	94	7	49	1,531	2,694
		A. 1924	655	14	101	7	55	832	1,180
		S. 1925	584	73	66	8	14	745	1,388
		A. 1925	696	6	100	8	54	864	1,161
		S. 1926	1,231	125	119	11	42	1,528	2,517
4	North of Guelph at Elora Road	S. 1924	873	20	41	4	55	993	1,546
		A. 1924	549	5	43	4	47	648	949
		S. 1925	797	31	50	4	35	917	1,457
		A. 1925	437	5	39	4	32	517	718
		S. 1926	1,044	62	106	7	25	1,244	1,831
5	South of Arthur	1922	227	.....	11	.....	107	345	433
		S. 1924	390	.....	10	.....	168	568	785
		A. 1924	254	2	21	.....	161	438	478
		S. 1925	401	18	21	.....	130	570	871
		A. 1925	178	2	10	.....	115	305	351
		S. 1926	1,126	34	32	4	151	1,347	2,683

6	South of Durham		1922	177	.....	5	.....	45	227	293
		S.	1924	248	3	11	.....	37	299	475
		A.	1924	141	1	7	.....	38	187	233
		S.	1925	251	15	16	.....	32	314	453
		A.	1925	110	1	6	.....	38	155	163
		S.	1926	370	24	21	5	24	444	529
7	Just south of Chatsworth		1922	149	4	1	.....	48	202	275
		S.	1924	402	8	27	.....	49	486	618
		A.	1924	183	.....	13	.....	47	243	307
		S.	1925	355	14	15	.....	46	430	648
		A.	1925	169	.....	9	.....	41	219	323
		S.	1926	381	20	16	4	33	454	638

PORT CREDIT-SARNIA HIGHWAY—Via Brampton, Guelph and Kitchener

Road No. 7

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Cooksville Corner	S. 1924	1,852	.....	171	6	46	2,075	2,929
		A. 1924	1,192	6	177	15	50	1,440	2,318
		S. 1925	2,187	65	255	13	27	2,547	4,483
		A. 1925	1,847	17	267	14	28	2,173	3,949
		S. 1926	3,181	66	298	35	35	3,615	8,057
2	North of Brampton at Brampton-Owen Sound Highway	1922	428	.....	28	.....	20	477	735
		S. 1924	177	.....	14	.....	73	264	292
		A. 1924	154	1	20	.....	39	214	266
		S. 1925	255	11	15	.....	8	289	563
		A. 1925	231	1	42	.....	33	307	345
		S. 1926	311	2	27	4	22	366	553
3	East of Guelph, Lot 11, Con. 2, Guelph Township	1914	8	.....	3	.....	44	55	86
		1922	180	.....	17	.....	41	238	308
		S. 1924	494	4	51	.....	47	596	906
		A. 1924	327	2	57	.....	37	423	637
		S. 1925	671	25	63	.....	41	800	1,385
		A. 1925	403	6	60	.....	44	513	605
		S. 1926	888	32	64	10	29	1,023	1,358
4	West of Guelph, Concessions 4 and 5, Guelph Township	S. 1924	342	.....	23	1	19	385	660
		A. 1924	271	1	31	.....	30	333	451
		S. 1925	391	58	39	.....	6	494	717
		A. 1925	199	3	27	.....	21	250	367
		S. 1926	448	33	42	10	24	557	817
5	East of Kitchener at Breslau Road	1914	43	.....	3	.....	92	138	240
		1922	462	.....	41	.....	29	532	745
		S. 1924	562	11	32	.....	46	651	972
		A. 1924	326	1	19	.....	28	374	524
		S. 1925	618	64	46	.....	35	763	1,073
		A. 1925	257	1	22	.....	32	312	396
		S. 1926	758	25	60	10	23	876	1,273
6	Just west of Baden	S. 1924	452	16	33	2	38	541	709
		A. 1924	493	6	33	2	43	577	949
		S. 1925	250	13	27	.....	36	326	635
		A. 1925	311	4	29	.....	34	378	529
		S. 1926	1,000	105	71	7	34	1,217	1,824
7	Shakespeare	1914	37	.....	.....	.....	57	94	111
		1922	138	.....	10	.....	30	178	228

		S. 1924	732	33	40	.....	50	855	1,261
		A. 1924	184	.....	111	.....	61	356	460
		S. 1925	659	81	37	1	24	802	1,545
		A. 1925	428	1	30	.....	41	500	647
		S. 1926	943	73	62	8	23	1,109	1,634
8	South of Stratford	1914	78	.....	1	.....	228	307	395
		1922	546	.....	29	1	121	697	998
		S. 1924	861	60	30	.....	74	1,025	1,762
		A. 1924	516	12	44	.....	74	646	790
		S. 1925	915	130	56	.....	73	1,174	2,034
		A. 1925	373	10	42	.....	66	491	552
		S. 1926	965	94	56	8	67	1,190	1,624
9	West of St. Mary's	1922	268	.....	21	.....	83	372	465
		S. 1924	358	17	17	.....	63	455	741
		A. 1924	277	11	13	3	60	364	509
		S. 1925	415	69	38	1	48	571	898
		A. 1925	338	4	29	4	76	451	692
		S. 1926	589	86	40	9	44	768	1,087
10a	Elginfield (Stratford)	1922	41	.....	3	.....	26	69	92
		S. 1924	113	6	6	.....	16	141	224
		A. 1924	78	4	5	.....	29	116	157
		S. 1925	128	75	8	2	12	225	313
		A. 1925	96	9	4	2	15	126	151
		S. 1926	325	82	13	10	13	443	687
10b	Elginfield (Sarnia)	1922	3	.....	1	.....	5	8	11
		S. 1924	19	43	2	.....	5	69	92
		A. 1924	37	4	3	.....	10	54	78
		S. 1925	91	72	5	.....	6	174	245
		A. 1925	66	10	2	.....	4	82	106
		S. 1926	173	83	7	.....	5	268	429
11	West of Parkhill at Kerwood Road	S. 1924	160	304	36	1	95	596	832
		A. 1924	137	16	10	.....	53	216	283
		S. 1925	202	118	16	1	22	370	565
		A. 1925	137	18	13	.....	42	210	269
		S. 1926	269	153	19	2	28	471	549
12	East of Wisebeach	S. 1924	130	200	7	.....	8	345	518
		A. 1924	33	19	1	.....	3	56	155
		S. 1925	57	95	5	2	3	162	252
		A. 1925	37	24	5	1	4	71	96
		S. 1926	112	136	8	3	1	260	383
13	Wyoming Road	1914	21	.....	.....	.....	111	132	209
		1922	840	17	9	.....	62	928	1,366
		S. 1924	325	366	18	.....	41	750	1,001
		A. 1924	254	132	9	.....	44	439	843
		S. 1925	228	518	20	1	28	787	1,125
		A. 1925	158	80	17	.....	36	291	387
		S. 1926	659	874	28	2	34	1,597	2,028

NIAGARA FALLS-GODERICH HIGHWAY—Via Hamilton, Kitchener and Stratford — Road No. 8

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South end corner	S. 1924	2,404	978	342	60	77	3,861	5,808
		A. 1924	1,248	328	303	50	65	1,994	3,250
		S. 1925	2,125	2,065	400	48	56	4,694	6,050
		A. 1925	989	409	302	42	49	1,791	2,438
		S. 1926	2,287	2,088	293	69	39	4,776	7,423
2a	St. David's (Niagara Falls traffic)	S. 1924	2,718	.....	126	12	17	2,873	5,082
		A. 1924	1,025	335	171	14	31	1,576	3,011
		S. 1925	1,593	1,670	173	20	17	3,474	5,070
		A. 1925	786	297	144	15	11	1,253	2,085
		S. 1926	2,079	2,097	210	36	16	4,438	8,003
2c	St. David's (St. Catharines traffic)	S. 1924	2,106	978	111	15	21	3,231	5,788
		A. 1924	1,104	375	171	14	60	1,724	3,630
		S. 1925	1,803	1,897	177	23	37	3,937	5,618
		A. 1925	833	322	157	15	25	1,352	2,348
		S. 1926	2,228	2,291	236	40	28	4,823	8,055
3	Jordan Corners	1914	155	.....	.....	.....	123	278	471
		1922	2,098	.....	144	28	70	2,340	3,940
		S. 1924	2,325	997	161	28	12	3,523	6,159
		A. 1924	1,039	253	165	26	25	1,508	2,865
		S. 1925	1,803	1,481	266	32	19	3,601	5,448
		A. 1925	895	203	188	32	9	1,327	1,950
		S. 1926	2,528	1,603	241	44	4	4,420	7,044
4	Grimsby Park Road	1922	2,074	.....	164	5	74	2,317	4,040
		S. 1924	1,744	1,288	241	4	50	3,327	5,374
		A. 1924	1,159	269	260	2	38	1,728	3,150
		S. 1925	2,365	1,800	303	31	42	4,541	7,037
		A. 1925	928	270	241	24	13	1,476	2,079
		S. 1926	4,209	2,197	361	46	28	6,841	11,593
5	At Stoney Creek Road	1914	112	.....	2	.....	75	189	253
		1922	2,607	.....	148	1	93	2,849	5,030
		S. 1924	3,629	521	245	5	13	4,413	6,578
		A. 1924	1,686	171	320	2	26	2,205	3,432
		S. 1925	2,765	1,806	324	34	12	4,931	7,157

		A.	1925	1,314	217	259	26	12	1,828	2,753
		S.	1926	3,877	1,876	410	55	13	6,231	9,735
6	Bullock's Corners		1914	50	.....	2	.....	224	276	441
			1922	840	.....	114	9	119	1,082	1,603
		S.	1924	1,320	70	130	17	73	1,610	2,271
		A.	1924	903	10	162	13	80	1,168	1,643
		S.	1925	1,335	116	176	14	47	1,688	2,521
		A.	1925	842	20	159	13	54	1,088	1,279
		S.	1926	1,401	136	167	15	46	1,765	2,687
	Just west of Baden (this station is the same as 7-6)	S.	1924	452	16	33	2	38	541	709
		A.	1924	493	6	33	2	43	575	949
		S.	1925	250	13	27	.....	36	326	635
		A.	1925	311	4	29	.....	34	378	529
		S.	1926	1,000	105	71	7	34	1,217	1,824
	Shakespeare (this station is the same as 7-7)		1914	37	.....	.....	.....	57	94	111
			1922	138	.....	10	.....	30	178	228
		S.	1924	732	33	40	.....	50	856	1,261
		A.	1924	184	.....	111	.....	61	356	460
		S.	1925	659	81	37	1	24	802	1,545
		A.	1925	428	1	30	.....	41	500	647
		S.	1926	943	73	62	8	23	1,109	1,634
7	East of Sebringville at St. Mary's Road		1914	64	.....	.....	.....	129	193	318
			1922	800	.....	25	8	56	889	1,493
		S.	1924	1,354	60	53	.....	57	1,524	2,861
		A.	1924	704	2	41	.....	70	817	1,048
		S.	1925	872	47	46	.....	42	1,007	1,709
		A.	1925	549	1	35	2	54	641	791
		S.	1926	1,054	43	53	1	53	1,204	1,516
8	South of Seaforth at Tuckersmith-Hibbett Townline		1922	185	.....	10	.....	50	245	357
		S.	1924	377	20	16	.....	42	455	727
		A.	1924	159	.....	15	.....	33	207	257
		S.	1925	304	15	24	2	56	401	572
		A.	1925	158	.....	16	2	42	218	385
		S.	1926	365	9	23	1	53	451	751
9	South of Goderich at Lot 9, Con. 7, Goderich Township		1922	206	.....	4	3	95	308	400
		S.	1924	341	.....	9	.....	32	382	657
		A.	1924	190	2	12	.....	33	237	294
		S.	1925	421	21	17	1	24	484	722
		A.	1925	Under construction.						
		S.	1926	Under construction.						

BURLINGTON BEACH HIGHWAY

Road No. 8a

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At intersection of Beach Road	A. 1924	733	61	139	.....	17	960	1,675
		S. 1925	2,654	537	208	2	51	3,452	5,608
		A. 1925	853	74	159	1	28	1,115	2,268
		S. 1926	5,040	1,042	335	11	26	6,454	10,962
2	Beach Road at intersection of Burlington Beach Highway	A. 1924	458	10	67	.....	23	548	753
		S. 1925	1,539	150	162	1	45	1,897	2,105
		A. 1925	624	22	121	.....	43	810	1,039
		S. 1926	3,534	347	258	3	36	4,178	7,483

ARTHUR-KINCARDINE HIGHWAY

Road No. 9

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	South of Arthur	S. 1924	150	6	1	.....	74	231	299
		A. 1924	103	1	7	.....	93	204	280
		S. 1925	215	3	8	.....	72	298	424
		A. 1925	49	.....	2	1	31	83	99
		S. 1926	436	7	13	.....	99	555	981
2	Teviotdale	S. 1924	48	.....	4	.....	13	65	77
		A. 1924	39	.....	8	.....	6	53	63
		S. 1925	80	1	5	.....	7	93	178
		A. 1925	93	1	7	.....	106	207	156
		S. 1926	366	19	21	.....	16	422	669
3	North limits of Clifford Village	S. 1924	348	9	19	.....	58	434	636
		A. 1924	221	5	16	.....	68	310	418
		S. 1925	322	21	29	1	82	455	612
		A. 1925	175	1	13	.....	73	262	305
		S. 1926	397	20	23	.....	55	495	666
4	Kinloss	S. 1924	99	6	7	.....	27	139	211
		A. 1924	71	2	2	.....	25	100	114
		S. 1925	146	13	7	.....	17	183	298
		A. 1925	39	.....	2	.....	13	54	76
		S. 1926	207	13	13	.....	12	245	372

BRAMPTON-OWEN SOUND HIGHWAY

Road No. 10

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	North of Brampton at Brampton-Guelph Highway.	1922	702	.....	123	.....	150	975	1,124
		S. 1924	682	2	49	.....	56	789	1,114
		A. 1924	515	2	64	.....	62	643	838
		S. 1925	555	25	55	.....	18	653	963
		A. 1925	385	.....	69	.....	33	487	573
		S. 1926	886	4	70	2	26	988	1,705
2	North of Orangeville	1922	191	.....	6	.....	56	253	334
		S. 1924	456	8	33	.....	49	546	788
		A. 1924	295	.....	17	.....	39	351	398
		S. 1925	471	13	27	.....	46	557	791
		A. 1925	248	1	16	.....	62	327	392
		S. 1926	624	12	37	.....	34	707	963
3	Flesherton	1922	154	.....	2	.....	62	219	419
		S. 1924	537	3	29	9	95	673	766
		A. 1924	454	.....	36	9	99	598	708
		S. 1925	628	19	30	11	72	760	933
		A. 1925	281	.....	27	10	78	396	520
		S. 1926	786	19	53	13	65	936	1,128
4	North of Chatsworth	1914	13	.....	.....	.....	51	64	76
		1922	207	.....	13	.....	42	262	377
		S. 1924	501	9	36	.....	68	614	734
		A. 1924	233	.....	15	.....	59	307	399
		S. 1925	141	4	6	.....	28	179	287
		A. 1925	57	.....	2	.....	35	94	155
		S. 1926	173	7	8	.....	13	201	287

TORONTO-SEVERN HIGHWAY

Road No. 11

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
0	Lansing Corner	S. 1925	3,754	530	583	2	56	4,925	6,613
		A. 1925	2,113	13	561	2	54	2,743	3,281
		S. 1926	5,366	282	417	21	47	6,133	8,601
1	Langstaff Corner	1914	239	.....	10	.....	88	337	500
		1922	1,334	.....	118	.....	38	1,490	2,408
		S. 1924	3,726	85	255	30	36	4,132	7,192
		A. 1924	2,177	29	451	17	72	2,746	4,290
		S. 1925	3,094	245	270	2	19	3,630	6,017
		A. 1925	1,521	11	260	5	38	1,835	2,155
		S. 1926	4,796	302	298	13	26	5,435	8,930
2	Top of South Holland Landing Hill	1922	686	.....	14	.....	23	723	1,221
		S. 1924	1,315	70	44	.....	22	1,451	2,444
		A. 1924	487	9	38	.....	17	551	961
		S. 1925	1,296	166	49	.....	8	1,519	2,702
		A. 1925	545	9	56	4	17	631	746
		S. 1926	2,662	249	76	10	7	3,004	5,537
3	South of Barrie	1922	544	.....	19	1	26	590	921
		S. 1924	1,105	60	40	1	22	1,227	1,976
		A. 1924	365	5	27	.....	19	416	687
		S. 1925	1,090	135	36	1	16	1,278	2,139
		A. 1925	337	3	25	3	24	392	562
		S. 1926	2,059	200	60	7	14	2,340	4,180
4	Crown Hill	S. 1924	610	58	14	.....	21	703	1,064
		A. 1924	229	2	11	3	18	263	404
		S. 1925	652	129	20	.....	14	815	1,232
		A. 1925	193	.....	11	6	14	224	302
		S. 1926	1,280	132	23	6	7	1,448	2,416
5	South limits of Orillia	1922	381	.....	9	6	52	448	618
		S. 1924	1,053	65	43	7	44	1,222	1,692
		A. 1924	564	6	41	9	59	679	916
		S. 1925	1,132	136	57	8	38	1,371	1,802
		A. 1925	491	7	46	6	32	582	766
		S. 1926	1,783	192	62	14	30	2,081	3,183
6	South of Washago at Sparrow Lake Road	1922	273	.....	10	.....	22	305	395
		S. 1924	869	57	29	.....	20	975	1,685
		A. 1924	209	6	10	.....	11	236	356
		S. 1925	817	132	32	.....	10	991	1,530
		A. 1925	190	2	12	.....	10	214	307
		S. 1926	1,127	164	47	2	7	1,347	1,758

WHITBY-LINDSAY HIGHWAY

Road No. 12

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	One-quarter mile south of Brooklin	1922	273	.....	24	.....	37	334	456
		S. 1924	899	19	51	.....	36	1,005	1,662
		A. 1924	405	.....	35	.....	49	489	700
		S. 1925	604	41	48	.....	25	718	1,308
		A. 1925	287	1	48	.....	42	378	418
		S. 1926	Closed to traffic.						
2	Manchester Corner	1922	392	.....	30	.....	49	471	714
		S. 1924	783	21	29	.....	28	861	1,572
		A. 1924	321	1	23	.....	25	370	574
		S. 1925	545	30	30	1	32	638	1,289
		A. 1925	213	1	25	1	31	271	339
		S. 1926	813	41	37	5	43	939	1,630
3	West of Lindsay, Lots 12-13, Brock Township	S. 1924	336	5	9	.....	22	372	551
		A. 1924	162	1	8	.....	30	201	266
		S. 1925	332	25	7	.....	18	382	647
		A. 1925	160	.....	10	.....	22	192	228
		S. 1926	605	19	14	3	15	656	1,208
4	West limits of Lindsay	1922	190	.....	7	.....	71	268	334
		S. 1924	559	10	16	.....	31	616	819
		A. 1924	314	3	22	.....	37	376	497
		S. 1925	572	28	38	.....	43	681	1,016
		A. 1925	275	2	23	.....	27	327	475
		S. 1926	756	27	39	4	28	854	1,159

PORT HOPE-PETERBOROUGH HIGHWAY

Road No. 12a

Traffic Census

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At Welcome Road	1922	287	.....	18	1	100	406	504
		S. 1924	600	35	24	1	58	718	1,221
		A. 1924	321	6	31	.....	71	429	589
		S. 1925	Not taken.						
		A. 1925	196	2	23	.....	53	274	339
		S. 1926	653	88	48	4	51	844	1,195
2	South of Peterborough at Concessions 7 and 8, Monaghan Township	1914	18	.....	.....	.....	42	60	109
		1922	393	.....	18	.....	20	432	654
		S. 1924	491	31	29	.....	18	569	1,062
		A. 1924	291	3	38	.....	23	355	591
		S. 1925	467	51	33	.....	19	570	910
		A. 1925	211	2	27	.....	19	259	373
		S. 1926	516	63	38	3	18	638	1,073

PICTON-FOXBORO HIGHWAY

Road No. 14

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Bloomfield	S. 1924	485	17	27	2	95	626	1,024
		A. 1924	149	.....	13	1	56	219	238
		S. 1925	318	9	18	2	34	381	815
		A. 1925	228	1	15	5	61	310	353
		S. 1926	337	20	28	2	74	461	660
2	Rossmore	1922	381	.....	35	.....	101	517	717
		S. 1924	564	.....	55	1	88	708	989
		A. 1924	368	1	62	6	84	521	797
		S. 1925	797	49	72	1	50	969	1,264
		A. 1925	278	1	30	3	38	350	480
		S. 1926	507	31	57	1	28	624	1,053
3	Foxboro	1922	258	.....	23	.....	118	399	539
		S. 1924	405	.....	30	.....	64	499	768
		A. 1924	299	2	34	.....	53	388	598
		S. 1925	466	26	31	.....	40	563	803
		A. 1925	269	3	28	.....	29	329	461
		S. 1926	452	22	39	1	47	561	880

KINGSTON-OTTAWA HIGHWAY

Road No. 15

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Barriefield	S. 1924	404	27	46	1	67	545	643
		A. 1924	362	6	30	1	76	475	699
		S. 1925	573	102	46	1	65	787	972
		A. 1925	314	8	41	4	59	426	670
		S. 1926	607	86	61	2	49	805	1,087
2	Seeley's Bay	S. 1924	188	24	18	.....	24	254	394
		A. 1924	143	3	11	.....	32	189	231
		S. 1925	288	69	15	3	26	401	614
		A. 1925	121	3	14	3	18	159	294
		S. 1926	282	54	16	2	14	368	594
3	Lombardy	1922	347	.....	18	.....	152	517	673
		S. 1924	289	7	14	.....	106	416	501
		A. 1924	161	3	9	.....	89	262	342
		S. 1925	393	93	19	3	119	627	836
		A. 1925	201	6	13	2	93	315	422
		S. 1926	438	55	21	2	119	635	766
4	Lot 7, Concession 3, Drummond Township	S. 1924	142	3	27	.....	23	195	259
		A. 1924	117	1	6	.....	27	151	202
		S. 1925	291	43	10	2	19	365	578
		A. 1925	122	3	9	2	28	164	229
		S. 1926	255	23	11	2	29	320	483
5	Bell's Corners	S. 1924	945	17	60	1	83	1,106	1,848
		A. 1924	524	19	45	.....	74	662	1,220
		S. 1925	498	82	60	4	64	708	1,663
		A. 1925	366	6	40	2	47	461	658
		S. 1926	646	35	38	3	28	750	1,221
6	Carleton Place, junction of the Smith's Falls-Carleton Place Highway	S. 1925	407	39	30	2	32	510	761

OTTAWA-PRESCOTT HIGHWAY

Road No. 16

Traffic Census

Daily Average

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	At the Ottawa-Perth Highway	1914	11	.....	.....	.....	83	94	101
		1922	468	.....	24	3	35	530	.....
		S. 1924	796	40	57	8	62	963	1,194
		A. 1924	702	28	64	.....	78	872	1,414
		S. 1925	1,276	145	82	17	60	1,580	1,905
		A. 1925	443	37	48	12	61	601	857
		S. 1926	1,254	181	112	8	55	1,610	2,171
2	Concessions 1 and 2, Oxford Township	1922	376	.....	37	5	144	562	.....
		S. 1924	444	59	20	1	36	560	816
		A. 1924	217	21	15	.....	27	280	427
		S. 1925	315	106	26	6	30	483	812
		A. 1925	164	21	18	7	27	237	371
		S. 1926	495	131	34	11	25	696	1,156
3	Johnstown Corners	1922	410	.....	12	9	48	479	808
		S. 1924	410	70	18	.....	19	517	871
		A. 1924	184	20	12	.....	12	228	339
		S. 1925	263	151	22	6	10	452	545
		A. 1925	111	47	17	.....	20	195	248
		S. 1926	539	195	29	7	10	780	1,326

POINT FORTUNE-PEMBROKE HIGHWAY—Via Ottawa

Road No. 17

Traffic Census

DAILY AVERAGE

Station No.	Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
			Ontario	Foreign					
1	Point Fortune	1922	135	.....	4	.....	38	177	294
		S. 1924	213	21	7	2	46	289	498
		A. 1924	109	107	7	1	37	261	851
		S. 1925	170	238	14	4	40	465	797
		A. 1925	64	52	16	.....	31	163	256
		S. 1926	233	241	27	1	34	536	887
2	1 mile west of Alfred	1922	156	.....	6	.....	77	239	305
		S. 1924	172	18	12	2	99	303	512
		A. 1924	130	60	9	.....	94	293	689
		S. 1925	200	165	8	17	138	528	802
		A. 1925	112	31	13	12	82	250	318
		S. 1926	299	182	25	10	101	617	901
3	At Quarries	1914	39	.....	.....	.....	159	198	344
		1922	677	.....	96	27	123	923	2,766
		S. 1924	517	38	47	26	97	725	1,251
		A. 1924	408	84	60	28	109	689	1,313
		S. 1925	514	223	74	20	137	968	1,226
		A. 1925	196	47	55	19	66	383	505
		S. 1926	586	243	83	21	83	1,016	1,485
4	Lots 15 and 16, Concessions 3 and 4, March Twp.	S. 1924	178	2	21	.....	35	237	443
		A. 1924	107	7	15	.....	32	161	246
		S. 1925	169	7	11	2	15	204	284
		A. 1925	121	3	25	.....	20	169	176
		S. 1926	283	41	45	3	42	414	714
5	Lots 20 and 21, Concessions 3 and 4, Fitzroy Twp.	1922	256	.....	18	5	88	367	796
		S. 1924	328	5	23	.....	45	401	556
		A. 1924	203	7	14	.....	39	263	330
		S. 1925	335	21	26	9	30	421	493
		A. 1925	184	5	23	.....	35	247	352
		S. 1926	483	27	33	17	26	586	815
6	Lot 21, Concession 1, Admaston Township	1922	41	1	1	.....	24	67	82
		S. 1924	131	4	4	.....	20	158	258
		A. 1924	98	2	3	.....	18	121	167
		S. 1925	172	22	12	2	25	233	369
		A. 1925	94	5	9	1	17	126	156
		S. 1926	196	17	12	.....	17	242	374
7	Lot 7, Concessions 1 and 2, Ross Township	S. 1924	193	.....	10	.....	97	300	383
		A. 1924	139	3	7	.....	84	233	260
		S. 1925	233	14	11	4	84	346	465
		A. 1925	112	2	6	.....	96	216	367
		S. 1926	256	11	16	.....	77	360	418

LABOUR DAY TRAFFIC CENSUS, 1914-1926

Location of Observer	Year	Ontario	Foreign	Trucks	Busses	Horse-drawn Vehicles	Total
Toronto-Hamilton Highway at Long Branch	1914	262	.....	3	.....	255	520
	1916	1,876	.....	142	.....	455	2,473
	1917	3,065	.....	107	.....	189	3,361
	1918	4,429	.....	93	.....	71	4,593
	1920	7,783	.....	131	.....	41	7,955
	1922	11,706	.....	368	78	41	12,193
	1924	11,108	4,691	500	223	47	16,569
	1925	11,265	5,886	432	331	27	17,941
	1926	12,392	6,279	491	298	24	19,484
Kingston Road at Old Kingston Road	1926	11,352	1,378	256	76	29	13,091
Yonge Street at Lansing	1926	8,007	1,230	364	10	42	9,653
Bloor and Dundas Streets, Islington	1926	10,603	2,130	370	60	15	11,048
Danforth and Markham Road	1926	9,597	544	201	64	31	10,437

COUNTY ROAD TRAFFIC CENSUS—APPENDIX No. 24

SUMMARY OF COUNTY ROADS' TRAFFIC FOR THE YEARS—1924, 1925 and 1926

Name of County	No. of Stations			Average Daily Average					Average Daily Maximum				
	1924	1925	1926	Sum. 1924	Aut. 1924	Sum. 1925	Aut. 1925	Sum. 1926	Sum. 1924	Aut. 1924	Sum. 1925	Aut. 1925	Sum. 1926
Brant	7	12	12	275	196	235	133	234	391	265	344	175	275
Bruce	7	9	7	132	105	117	124	179	171	143	198	145	225
Carleton	7	17	16	282	237	227	126	243	401	333	297	192	386
Dufferin	1	6	6	103	61	132	89	152	138	111	196	116	218
Dundas	3	7	7	359	311	346	233	343	451	434	471	305	460
Elgin	13	14	14	355	231	281	106	311	561	295	453	144	423
Essex	4	9	16	710	381	421	302	663	1,246	676	805	441	940
Frontenac	3	7	7	350	222	287	141	247	514	349	406	207	386
Glengarry	1	1	1	159	106	500	315	550	184	180	627	451	641
Grey	3	3	6	374	299	462	247	350	510	353	597	282	439
Haldimand	3	5	6	196	186	269	121	221	332	281	375	170	282
Halton	1	7	7	.....	351	267	209	309	.....	447	419	295	445
Hastings	3	4	5	225	153	216	108	183	341	234	294	151	275
Huron	8	9	12	290	183	229	173	403	402	225	350	248	592
Kent	6	14	11	386	229	288	170	302	643	293	432	239	388
Lambton	7	10	16	171	110	304	117	247	288	187	482	160	342
Lanark	1	2	8	74	64	27	14	166	93	83	48	25	263
Leeds	5	9	9	126	108	128	91	155	159	144	180	144	204
Lennox and Addington	3	3	5	84	91	73	76	91	119	118	105	125	131
Lincoln	3	9	13	571	341	311	147	408	940	409	438	196	636
Middlesex	10	12	11	354	194	380	198	272	511	264	548	261	337
Norfolk	5	7	7	646	283	399	239	535	1,008	339	521	320	699
Northumberland and Durham	2	4	4	174	144	106	87	181	314	173	142	125	243
Ontario	2	5	6	415	187	254	134	340	758	246	432	328	566
Oxford	5	7	7	312	173	255	143	211	404	200	335	194	255
Peterborough	8	6	7	322	169	392	134	312	475	243	564	142	438
Prescott	.....	1	1	.....	.....	190	100	164	.....	.....	244	145	216
Prince Edward	1	2	4	302	280	382	209	265	377	354	570	265	365
Peel	1	1	1	333	143	127	72	346	542	170	297	158	583
Perth	4	4	4	307	201	208	193	251	472	243	325	245	306
Renfrew	4	6	6	176	128	151	100	161	246	172	209	142	214
Russell	.....	.....	2	.....	.....	.....	.....	45	.....	.....	.....	.....	65

COUNTY ROAD TRAFFIC CENSUS—APPENDIX No. 24

SUMMARY OF COUNTY ROADS' TRAFFIC FOR THE YEARS—1924, 1925 and 1926

Name of County	No. of Stations			Average Daily Average					Average Daily Maximum				
	1924	1925	1926	Sum. 1924	Aut. 1924	Sum. 1925	Aut. 1925	Sum. 2926	Sum. 1924	Aut. 1924	Sum. 1925	Aut. 1925	Sum. 1926
Simcoe	7	7	7	237	133	249	139	348	354	180	394	212	526
Victoria	7	5	5	274	199	404	253	416	379	285	567	349	541
Waterloo	5	6	6	326	225	351	169	399	525	307	559	255	547
Welland	8	8	8	995	653	1,151	584	1,387	1,675	1,060	1,457	733	1,882
Wellington	6	7	7	214	137	197	114	287	360	188	280	162	524
Wentworth	6	5	6	421	207	815	574	783	535	252	1,021	741	1,011
York	5	7	10	1,250	949	781	1,184	1,713	1,830	1,169	1,015	1,648	2,400
Total number of stations	175	257	293										
Total in 39 counties at 1 station	.....	.....	.....	12,280	8,370	11,912	7,668	14,173	18,649	11,405	17,023	10,636	19,669
Total in 1 county at 1 station	.....	.....	.....	341	227	314	202	363	518	308	448	280	504
Percentage increase over previous year	.....	.....	.....	.....	.....	.....	.....	16	.....	.....	.....	.....	13

AVERAGE DAILY AVERAGE—SUMMER 1924

Name of County	No. of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum For one Day
		Ontario	Foreign					
Brant	6	185	36	16	1	37	275	391
Bruce	7	103	4	7	.....	18	132	171
Carleton	7	212	1	28	4	37	282	401
Dufferin	1	77	.....	18	.....	8	103	138
Dundas	3	203	7	35	5	109	359	451
Elgin	13	294	17	21	.....	23	355	561
Essex	4	524	72	55	5	54	710	1,246
Frontenac	3	261	14	27	4	44	350	514
Glengarry	1	45	1	23	.....	90	159	184
Grey	3	301	3	18	3	49	374	510
Haldimand	3	154	7	14	2	19	196	332
Halton	0	.....	.....	.....	.....	.....	.....	.....
Hastings	3	176	.....	15	.....	34	225	341
Huron	8	221	6	14	1	48	290	402
Kent	6	289	25	36	.....	36	386	643
Lambton	7	113	36	6	.....	16	171	288
Lanark	1	38	.....	.....	.....	36	74	93
Leeds	5	90	5	10	.....	21	126	159
Lennox and Addington	3	39	2	4	.....	39	84	119
Lincoln	3	510	.....	43	1	17	571	940
Middlesex	10	277	32	20	.....	25	354	511
Norfolk	5	491	37	48	5	65	646	1.008
Northumberland and Durham	2	126	3	8	.....	37	174	314
Ontario	2	378	5	14	1	17	415	758
Oxford	5	206	48	18	1	40	312	404
Peel	1	246	.....	7	.....	80	333	542
Perth	4	252	6	12	.....	37	307	472
Peterborough	8	282	2	18	2	18	322	475
Prescott	0	.....	.....	.....	.....	.....	.....	.....
Prince Edward	1	244	6	11	.....	41	302	377
Renfrew	4	128	.....	8	.....	40	176	246
Simcoe	7	206	3	8	.....	20	237	354
Victoria	7	208	4	15	.....	47	274	379
Waterloo	5	267	1	19	2	36	326	525
Welland	8	847	46	70	10	22	995	1,675
Wellington	6	166	4	6	.....	38	214	360
Wentworth	6	340	3	39	.....	39	421	535
York	5	1,054	3	127	28	38	1,250	1,830
In 36 counties, average per 1 station	.....	9,553	439	838	75	1,375	12,280	18,649
In 1 county, average per 1 station	.....	266	12	23	2	38	341	518
Percentage on whole	.....	77.79	3.58	6.83	.61	11.19	1.00	

AVERAGE DAILY AVERAGE—AUTUMN, 1924

Name of County	No. of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
Brant	7	129	10	19	1	39	196	265
Bruce	7	76	.....	5	.....	24	105	143
Carleton	7	172	5	16	3	41	237	333
Dufferin	1	49	.....	5	.....	7	61	111
Dundas	3	203	7	24	6	71	311	434
Elgin	13	178	2	17	.....	35	231	295
Essex	5	262	41	34	3	41	381	676
Frontenac	3	161	7	22	2	30	222	349
Glengarry	1	38	7	9	.....	52	106	180
Grey	3	221	1	26	3	48	299	353
Haldimand	3	126	4	20	1	35	186	281
Halton	1	276	3	46	.....	26	351	447
Hastings	4	117	1	13	.....	22	153	234
Huron	9	120	1	14	1	47	183	225
Kent	5	149	2	17	.....	61	229	293
Lambton	7	69	18	5	.....	18	110	187
Lanark	1	37	.....	.....	.....	27	64	83
Leeds	5	70	2	10	.....	26	108	144
Lennox and Addington	3	32	1	3	.....	55	91	118
Lincoln	3	231	16	48	1	45	341	409
Middlesex	11	136	12	17	.....	29	194	264
Norfolk	5	200	3	26	.....	54	283	339
Northumberland and Durham	2	90	.....	9	.....	45	144	173
Ontario	3	147	.....	11	.....	29	187	246
Oxford	4	120	5	14	1	33	173	200
Peel	1	74	2	4	.....	63	143	170
Perth	4	130	1	20	.....	50	201	243
Peterborough	8	129	1	22	.....	17	169	243
Prescott	0	.....	.....	.....	.....	.....	.....	.....
Prince Edward	1	199	4	22	1	54	280	354
Renfrew	4	85	2	5	.....	36	128	172
Simcoe	7	99	.....	10	.....	24	133	180
Victoria	7	137	.....	13	.....	49	199	285
Waterloo	6	167	.....	18	2	38	225	307
Welland	8	417	107	78	11	40	653	1,060
Wellington	7	88	1	7	.....	41	137	188
Wentworth	5	157	1	20	.....	29	207	252
York	5	696	4	173	26	49	949	1,169
In 37 counties at 1 station	.....	5,787	271	820	62	1,430	8,370	11,405
In 1 county at 1 station	.....	157	7	22	2	39	227	308
Percentage on whole	.....	69.14	3.23	9.79	.74	17.1	100	

AVERAGE DAILY AVERAGE—SUMMER, 1925

Name of County	No. of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
Brant	12	160	35	19	1	20	235	344
Bruce	9	88	7	8	.....	14	117	198
Carleton	17	164	7	15	2	39	227	297
Dufferin	6	115	2	5	.....	10	132	196
Dundas	7	204	17	22	2	101	346	471
Elgin	14	230	20	18	.....	13	281	453
Essex	9	261	81	43	2	34	421	805
Frontenac	7	226	21	19	2	19	287	406
Glengarry	1	247	97	51	.....	105	500	627
Grey	3	371	20	26	3	42	462	597
Haldimand	5	202	21	22	.....	24	269	375
Halton	7	220	8	31	.....	8	267	419
Hastings	4	169	10	16	.....	21	216	294
Huron	9	176	13	12	.....	28	229	350
Kent	14	203	46	18	1	20	288	432
Lambton	10	140	134	12	1	17	304	483
Lanark	2	17	.....	.....	.....	10	27	48
Leeds	9	77	12	10	1	28	128	180
Lennox and Addington	3	36	3	1	.....	33	73	105
Lincoln	9	227	28	33	.....	23	311	438
Middlesex	12	236	100	22	1	21	380	558
Norfolk	7	314	15	31	.....	39	399	521
Northumberland and Durham	4	79	3	7	.....	17	106	142
Ontario	5	211	8	15	.....	20	254	438
Oxford	7	162	48	16	.....	29	255	335
Peel	1	100	1	3	.....	23	127	297
Perth	4	166	7	11	.....	24	208	325
Peterborough	6	327	19	29	5	12	392	564
Prescott	1	47	7	1	8	127	190	254
Prince Edward	2	280	13	37	.....	52	382	570
Renfrew	6	102	3	7	1	38	151	209
Simcoe	7	208	12	12	.....	17	249	394
Victoria	5	325	8	24	.....	47	404	567
Waterloo	6	262	17	26	2	44	351	559
Welland	8	469	558	85	9	30	1,151	1,457
Wellington	7	145	6	10	.....	36	197	280
Wentworth	5	619	52	92	27	25	815	1,021
York	7	602	23	107	22	27	781	1,015
In 38 counties, average at 1 station		8,187	1,482	916	90	1,237	11,912	17,023
In 1 county, average at 1 station		215	39	24	3	33	314	448
Percentage on whole		68.73	12.44	7.69	.76	10.38	100	.....

AVERAGE DAILY AVERAGE—AUTUMN, 1925

Name of County	No. of Stations	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
Brant	12	88	1	15	1	28	133	175
Bruce	6	90	.....	5	.....	29	124	145
Carleton	17	79	1	12	1	33	126	192
Dufferin	6	59	.....	7	.....	23	89	116
Dundas	7	128	4	13	2	86	233	305
Elgin	12	82	1	12	.....	11	106	144
Essex	9	226	11	36	6	23	302	441
Frontenac	7	104	2	16	1	18	141	207
Glengarry	1	167	27	25	.....	96	315	451
Grey	3	178	.....	19	3	47	247	282
Haldimand	5	83	1	10	.....	27	121	170
Halton	7	159	1	30	.....	19	209	295
Hastings	5	79	1	11	.....	17	108	151
Huron	10	113	1	12	1	46	173	248
Kent	10	125	9	15	1	20	170	239
Lambton	11	74	18	8	.....	17	117	160
Lanark	2	8	.....	.....	.....	6	14	25
Leeds	9	54	2	9	1	25	91	144
Lennox and Addington	3	38	.....	6	.....	32	76	125
Lincoln	15	98	3	20	.....	26	147	196
Middlesex	12	147	10	20	1	20	198	261
Norfolk	7	177	1	22	.....	39	239	320
Northumberland and Durham	4	59	1	7	.....	20	87	125
Ontario	5	96	.....	12	.....	26	134	328
Oxford	7	98	4	11	1	29	143	194
Peel	1	38	.....	3	.....	31	72	158
Perth	4	133	1	11	.....	48	193	245
Peterborough	6	104	.....	19	.....	11	134	142
Prescott	1	33	1	2	4	60	100	145
Prince Edward	2	142	.....	21	1	45	209	265
Renfrew	6	57	1	4	.....	38	100	142
Simcoe	7	108	1	8	.....	22	139	212
Victoria	5	184	.....	19	.....	50	253	349
Waterloo	6	111	1	15	2	40	169	255
Welland	8	376	108	64	6	30	584	733
Wellington	7	71	1	5	.....	37	114	162
Wentworth	5	444	7	76	22	25	574	741
York	10	859	10	229	21	65	1,184	1,648
In the 38 counties, average for 1 station		5,269	230	829	75	1,265	7,668	10,636
In the 1 county, average for 1 station		139	6	22	2	33	202	280
Percentage on whole		68.72	2.99	10.81	.99	16.49	100	.....

COUNTY ROAD TRAFFIC—1924, 1925 and 1926

TRAFFIC CENSUS

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
BRANT COUNTY:								
Brant 1a—Cockshutt Rd. at Burtch	S. 1924	112	3	17	.....	42	174	263
	S. 1925	45	1	10	.....	23	79	118
	A. 1925	16	.....	2	.....	39	57	81
	S. 1926	47	2	11	.....	20	80	108
Brant 1b—Oakland Rd. at Burtch	S. 1924	184	4	22	.....	51	261	436
	A. 1924	24	.....	2	.....	29	55	74
	S. 1925	177	5	26	.....	55	263	322
	A. 1925	101	1	17	.....	57	176	273
	S. 1926	463	17	47	1	37	565	736
Brant 2a—Brantford-Galt Rd. at Dundas St. (Shipman's Corners)	S. 1924	22	.....	.....	.....	10	32	42
	A. 1924	123	.....	20	.....	23	166	241
	S. 1925	201	6	15	9	16	247	384
	A. 1925	92	2	19	9	20	142	211
	S. 1926	236	12	14	8	19	289	356
Brant 2b—Dundas St. at Brantford-Galt Rd. (Shipman's Corners)	S. 1924	93	.....	14	.....	23	130	177
	A. 1924	25	.....	2	.....	11	38	47
	S. 1925	43	2	4	.....	12	61	98
	A. 1925	14	.....	4	1	15	34	49
	S. 1926	49	2	2	.....	18	71	94
Brant 3a—Burford Rd. at New Durham Rd	S. 1924	628	207	51	.....	55	941	1,255
	A. 1924	430	63	55	.....	72	620	780
	S. 1925	450	342	41	.....	12	845	1,152
	A. 1925	210	2	39	.....	26	277	353
	S. 1926	313	32	17	.....	17	379	516
Brant 3b—New Durham Rd. at Burford Rd	S. 1924	27	.....	2	.....	20	49	54
	A. 1924	27	.....	1	.....	34	62	117
	S. 1925	156	33	19	.....	22	230	250
	A. 1925	103	.....	19	.....	8	130	202
	S. 1926	82	5	2	1	8	98	157

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
Brant 4a—Side road between Lots 3 and 4, Burford Township	S. 1925	42	.....	4	.....	7	53	75
	A. 1925	34	.....	5	.....	11	50	71
	S. 1926	100	2	13	.....	8	123	161
Brant 4b—Concession Road, Lots 13 and 14, Burford Township	S. 1925	97	2	9	.....	20	128	217
	A. 1925	68	.....	9	.....	36	113	155
	S. 1926	135	3	19	.....	18	175	207
Brant 5—Back-Mount Pleasant Rd. at Churches	S. 1925	45	1	8	.....	9	63	95
	A. 1925	33	.....	5	.....	19	57	80
	S. 1926	186	7	27	.....	14	234	293
Brant 5a—Mount Pleasant Rd. at Churches	S. 1925	454	25	54	1	17	551	1,031
	A. 1925	198	2	29	.....	31	260	318
	S. 1926	232	7	32	.....	16	287	357
Brant 5b—Township Rd. from West at Churches	S. 1925	28	.....	5	.....	8	41	57
	A. 1925	22	.....	3	.....	12	37	53
	S. 1926	26	.....	10	.....	8	44	62
2-13a—Onondaga Rd. at Cainsville	S. 1924	160	4	7	3	61	235	380
	A. 1924	165	2	20	.....	62	254	330
	S. 1925	186	5	27	.....	43	261	324
	A. 1925	164	1	33	.....	62	260	333
	S. 1926	373	17	34	2	38	464	559
BRUCE COUNTY:								
Bruce 1a—Chesley Rd. at Junction of Hanover Rd	S. 1924	102	.....	6	.....	20	128	153
	A. 1924	110	.....	8	.....	29	147	208
	S. 1925	103	4	9	.....	24	140	153
	A. 1925	88	.....	5	.....	41	134	205
	S. 1926	128	2	8	.....	22	160	204
Bruce 1b—Hanover Rd. at Junction of Chesley Rd	S. 1924	342	1	26	.....	44	413	540
	A. 1924	253	.....	20	.....	76	349	502
	S. 1925	244	15	26	3	38	324	651
	A. 1925	325	.....	18	.....	72	415	478
	S. 1926	486	18	24	2	46	576	653

Bruce 2a—South of Southampton (Southampton-Kincardine Traffic)	S. 1924	171	19	14	.....	30	234	282
	A. 1924	87	1	6	.....	32	126	139
	S. 1925	193	29	11	.....	31	264	409
	A. 1925	84	1	7	.....	31	123	164
	S. 1926	244	43	15	1	25	328	420
Bruce 2b—South of Southampton (Paisley Rd. Traffic)	S. 1924	35	.....	2	.....	14	51	68
	A. 1924	27	.....	2	.....	20	49	58
	S. 1925	5	1	4	.....	2	12	96
	A. 1925	31	.....	2	.....	24	57	86
	S. 1926	55	2	3	.....	18	78	112
Bruce 4a—Lucknow Rd., Lot 30, Kinloss Township	S. 1925	117	5	14	.....	14	150	168
	S. 1926	Not taken						
Bruce 4b—Langside Rd., Lot 30, Kinloss Township	S. 1925	10	.....	.....	.....	5	15	20
	S. 1926	Not taken						
9-4a—At Kinloss (Kinloss-Lucknow Rd.)	S. 1924	49	1	4	.....	16	70	105
	A. 1924	38	.....	.....	.....	10	48	60
	S. 1925	67	3	4	.....	10	84	159
	A. 1925	Closed to	Traffic					
	S. 1926	55	3	1	.....	7	67	110
Bruce 3a—At St. Edmonds-Lindsay Townline (Miller Lake Rd.)	S. 1924	13	4	.....	.....	1	18	29
	A. 1924	4	.....	.....	.....	2	6	15
	S. 1925	35	1	.....	.....	7	43	96
	A. 1925	7	.....	.....	.....	4	11	16
	S. 1926	31	3	.....	.....	1	35	58
Bruce 3b—At St. Edmonds-Lindsay Townline (Brinkman Road)	S. 1924	9	2	.....	.....	1	12	17
	A. 1924	11	.....	.....	.....	2	13	20
	S. 1925	19	1	.....	.....	1	21	26
	A. 1925	3	.....	.....	.....	1	4	7
	S. 1926	9	.....	.....	.....	.....	9	20
CARLETON COUNTY:								
Carleton 1a—At Morrisburg-Ottawa Rd., lots 20, 21, concessions 6 and 7, Osgoode Township	S. 1924	299	4	87	6	69	465	660
	A. 1924	292	5	25	12	59	393	597
	S. 1925	254	19	28	6	58	365	422
	A. 1925	192	1	22	2	46	263	394
	S. 1926	408	22	39	3	52	524	898
Carleton 1b—Metcalfe Road, lots 20, 21, concessions 6 and 7, Osgoode Township	S. 1924	162	1	20	5	48	236	371
	A. 1924	147	2	17	11	44	221	318
	S. 1925	205	8	22	6	37	278	363
	A. 1925	109	1	12	2	29	153	211
	S. 1926	186	5	21	4	33	249	359

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
Carleton 2—Morrisburg-Ottawa Rd., lot 3, concession 3, Gloucester Township	S. 1924	520	.....	47	16	48	631	776
	A. 1924	383	12	28	.....	65	488	639
	S. 1925	600	39	71	4	95	809	915
	A. 1925	291	8	66	4	90	459	756
	S. 1926	576	54	63	10	84	787	1,068
Carleton 3a—Stittsville-Carp Rd., at West Huntley Rd.	S. 1925	173	7	9	.....	39	228	359
	A. 1925	101	.....	9	.....	35	145	204
	S. 1926	163	6	11	.....	29	209	321
Carleton 3b—West Huntley Rd., at Stittsville-Carp Rd.	S. 1925	22	.....	.....	.....	7	29	32
	A. 1925	10	.....	1	.....	5	16	30
	S. 1926	21	.....	1	.....	8	30	45
Carleton 4a—Almonte-Carp Rd., at Stittsville-Carp Rd.	S. 1925	28	.....	.....	.....	17	45	76
	A. 1925	18	.....	1	.....	40	59	110
	S. 1926	43	.....	1	.....	22	66	98
Carleton 4b—Stittsville-Carp Rd., at Almonte-Carp Rd.	S. 1925	189	4	9	.....	58	260	376
	A. 1925	93	1	8	.....	42	144	220
	S. 1926	169	4	10	.....	45	228	328
Carleton 5a—Bowesville Rd., at townline	S. 1925	32	1	15	.....	32	80	103
	A. 1925	20	.....	7	.....	20	47	62
	S. 1926	45	.....	8	.....	20	73	153
Carleton 5b—Townline at Bowesville Rd	S. 1925	37	1	14	.....	29	81	98
	A. 1925	9	.....	1	.....	10	20	32
	S. 1926	51	.....	7	.....	21	79	161
Carleton 6a—Townline at River Rd	S. 1925	165	2	13	.....	97	277	373
	A. 1925	53	.....	8	.....	53	114	192
	S. 1926	63	2	9	.....	34	108	140
Carleton 6b—River Rd., at Townline	S. 1925	115	2	7	.....	68	192	236
	A. 1925	54	.....	6	.....	60	120	143
	S. 1926	80	1	7	.....	41	129	189
Carleton 7a—River Rd., at Bowesville Rd	S. 1925	149	3	10	1	16	179	238
	A. 1925	36	.....	3	.....	29	68	109
	S. 1926	103	5	26	1	20	155	219

Carleton 7b—Bowesville Rd., at River Rd	S.	1925	93	3	11	1	21	129	144
	A.	1925	71	.....	13	.....	24	108	173
	S.	1926	462	28	49	19	43	601	1,127
15-5a—Richmond Rd., at Bell's Corners	S.	1924	189	2	14	.....	37	242	347
	A.	1924	122	5	13	.....	33	173	252
	S.	1925	176	6	16	.....	33	232	322
	A.	1925	88	1	13	.....	17	119	173
	S.	1926	455	30	46	2	32	565	909
17-4a—Lots 15, 16, Concessions 3 and 4, March Township	S.	1924	119	.....	18	.....	19	156	298
	A.	1924	117	7	13	.....	31	168	257
	S.	1925	205	11	16	1	20	254	461
	A.	1925	99	2	19	.....	24	144	193
	S.	1926	206	31	36	4	31	308	564
17-5a—Galetta Rd., lots 20, 21, concessions 3 and 4, Fitzroy Township	S.	1924	136	.....	8	.....	27	171	240
	A.	1924	118	6	12	.....	31	167	203
	S.	1925	227	9	17	4	24	282	308
	A.	1925	90	2	10	.....	27	129	200
	S.	1926	330	6	19	9	22	386	455
17-5b—Packenham Rd., lots 20, 21, concessions 3 and 4, Fitzroy Township	S.	1924	57	.....	3	.....	16	76	116
	A.	1924	23	.....	3	.....	20	46	64
	S.	1925	115	3	5	2	20	145	227
	A.	1925	24	.....	3	.....	14	41	62
	S.	1926	145	2	6	4	21	178	214
DUFFERIN COUNTY:									
10-2a—Hockley's Rd., lots 5, 6, concession 2, West Mono Mono Township	S.	1924	77	.....	18	.....	8	103	138
	A.	1924	49	.....	5	.....	7	61	111
	S.	1925	103	1	15	.....	14	133	184
	A.	1925	58	.....	3	.....	22	83	125
	S.	1926	108	1	10	.....	9	128	164
Dufferin 1a—Arthur Rd., at Grand Valley Rd	S.	1925	30	.....	1	.....	5	36	47
	A.	1925	45	1	4	.....	20	70	91
	S.	1926	168	3	13	.....	22	206	258
Dufferin 1b—Grand Valley Rd. at Arthur-Orangeville Rd.	S.	1925	131	2	5	.....	23	161	270
	A.	1925	76	1	8	1	38	124	139
	S.	1926	166	1	12	.....	26	205	280
—Bellwood Rd., at Jct. Grand-Valley Rd., d Arthur-Orangeville Rd	S.	1925	18	.....	1	.....	2	21	35
	A.	1925	17	.....	2	.....	10	29	39
	S.	1926	49	.....	2	.....	9	60	88
—Hillburg Rd., at Reading	S.	1925	195	4	4	.....	6	209	353
	A.	1925	70	1	12	.....	24	107	139
	S.	1926	113	1	4	.....	3	121	194

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
Dufferin 2b—Fergus-Orangeville Rd., at Reading	S. 1925	215	2	6	.....	6	229	287
	A. 1925	81	1	13	.....	23	118	164
	S. 1926	174	4	8	.....	8	194	323
DUNDAS COUNTY:								
Dundas 1a—Morrisburg-Ottawa Rd., 1½ miles south of Winchester	S. 1924	284	7	44	4	147	486	554
	A. 1924	252	7	26	5	109	399	487
	S. 1925	397	27	32	3	114	573	783
	A. 1925	241	6	21	3	106	377	409
	S. 1926	390	28	33	3	100	554	700
Dundas 1b—Chesterville Rd., 1½ miles south of Winchester	S. 1924	109	1	27	4	116	257	379
	A. 1924	104	4	15	.....	38	161	293
	S. 1925	139	6	12	.....	26	183	283
	A. 1925	107	1	7	.....	32	147	190
	S. 1926	136	6	14	.....	18	174	261
2-33a—Morrisburg-Ottawa Rd., at Morrisburg	S. 1924	216	13	34	7	64	334	420
	A. 1924	253	10	31	14	64	372	522
	S. 1925	529	71	78	9	152	839	940
	A. 1925	240	17	43	10	104	414	623
	S. 1926	437	71	55	8	72	643	882
Dundas 2a—Crysler Rd. at Morewood	S. 1925	153	1	8	.....	122	284	422
	A. 1925	85	.....	3	.....	99	187	231
	S. 1926	176	2	10	.....	148	336	457
Dundas 2b—Chesterville Rd., at Morewood	S. 1925	192	2	8	.....	171	373	504
	A. 1925	120	.....	8	.....	155	283	360
	S. 1926	213	2	14	1	169	399	507
Dundas 3a—Williamsburg-Chesterville Rd., at Bouckhill Rd	S. 1925	1	7	9	.....	56	73	221
	A. 1925	85	3	7	.....	52	147	217
	S. 1926	126	7	8	.....	50	191	262
Dundas 3b—Road to Gallingertown at Bouckhill Rd	S. 1925	18	1	4	.....	69	92	143
	A. 1925	18	.....	2	.....	53	73	108
	S. 1926	26	1	3	.....	71	101	154

ELGIN COUNTY:									
Elgin, 1a—At Copenhagen (Port Bruce Rd.)	S.	1924	313	9	15	.....	28	365	656
	A.	1924	74	.....	4	.....	17	94	145
	S.	1925	113	4	1	.....	22	140	217
	A.	1925	54	2	5	.....	12	73	87
	S.	1926	105	9	13	.....	10	137	200
Elgin 1b—At Copenhagen (Pt. Burwell Rd.)	S.	1924	146	5	10	.....	16	177	358
	A.	1924	114	2	9	.....	26	151	187
	S.	1925	209	10	11	1	18	249	478
	A.	1925	52	.....	4	.....	17	73	116
	S.	1926	204	18	14	.....	18	254	359
Elgin 2a—St. Thomas-Port Stanley Rd. at Union	S.	1924	1,596	124	100	1	30	1,851	3,017
	A.	1924	532	5	51	.....	35	623	741
	S.	1925	1,400	156	104	1	21	1,682	2,653
	A.	1925	390	2	61	.....	24	477	611
	S.	1926	1,771	199	120	.....	22	2,112	2,945
Elgin 2b—Sparta Rd. at Union	S.	1924	409	23	37	.....	21	490	638
	A.	1924	246	2	25	.....	21	294	343
	S.	1925	390	22	51	.....	22	485	594
	A.	1925	197	1	37	.....	18	253	331
	S.	1926	328	17	46	.....	19	410	536
Elgin 3a—Dutton-West Lorne Rd., Lots 6 and 7, Dunwich Township	S.	1924	118	4	10	.....	15	147	203
	A.	1924	116	2	12	.....	31	161	270
	S.	1925	124	6	15	.....	12	157	187
	A.	1925	71	1	13	.....	7	92	145
	S.	1926	121	6	7	.....	8	142	179
Elgin 3b—Campbellton Rd., Lots 6 and 7 Dunwich Township	S.	1924	22	.....	2	.....	11	35	57
	A.	1924	20	.....	3	.....	44	67	86
	S.	1925	22	.....	2	.....	9	33	52
	A.	1925	14	.....	2	.....	5	21	44
	S.	1926	15	1	.....	.....	6	22	33
Elgin 4a—Campbellton Rd. at Dunwich Townline	S.	1924	121	8	11	.....	13	153	201
	A.	1924	20	1	2	.....	10	33	47
	S.	1925	17	1	1	.....	1	20	35
	A.	1925	6	.....	1	.....	3	10	18
	S.	1926	11	.....	1	.....	1	13	19
Elgin 4b—Aldboro-Dunwich Townline at Campbellton Rd	S.	1924	23	.....	.....	.....	9	33	44
	A.	1924	19	.....	1	.....	9	29	54
	S.	1925	37	2	1	.....	7	47	74
	A.	1925	8	.....	1	.....	9	18	30
	S.	1926	27	1	.....	.....	8	36	58

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
ELGIN COUNTY—Continued								
Elgin 5a—Sheddon-Port Stanley Rd. at Fingal	S. 1924	276	13	24	.....	44	357	585
	A. 1924	249	.....	21	.....	81	351	438
	S. 1925	222	25	12	1	21	281	343
	A. 1925	Not taken						
	S. 1926	288	19	19	.....	19	345	477
Elgin 5b—At Fingal (Talbot Rd.)	S. 1924	343	17	29	.....	51	440	634
	A. 1924	372	1	28	.....	93	494	605
	S. 1925	307	27	18	.....	23	375	471
	A. 1925	Not taken						
	S. 1926	297	18	20	.....	21	356	413
3-5a—At Wallacetown, Dutton-Tyrconnell Rd	S. 1924	264	3	13	.....	40	320	435
	A. 1924	215	3	13	.....	70	301	423
	S. 1925	210	9	8	.....	12	239	738
	A. 1925	82	1	10	.....	21	114	162
	S. 1926	189	4	9	.....	8	210	315
3-7a—New Harum (Belmont Rd.)	S. 1924	136	6	11	.....	18	171	253
	A. 1924	281	7	27	.....	9	324	425
	S. 1925	117	6	11	.....	8	142	240
	A. 1925	67	1	8	.....	8	84	122
	S. 1926	137	5	10	.....	8	160	175
3-8a—Bayham Rd. at Provincial Highway, Lot 107, Malahide Township	S. 1924	85	3	10	.....	13	111	158
	A. 1924	77	1	9	.....	18	105	122
	S. 1925	93	12	15	.....	15	135	191
	A. 1925	49	2	7	.....	11	69	88
	S. 1926	85	13	11	.....	7	116	153
Elgin 6—Glencoe Rd. at Walker's Bridge, south of Village of Glencoe	S. 1925	38	1	2	.....	8	49	67
	A. 1925	20	.....	3	.....	9	32	44
	S. 1926	27	.....	2	.....	13	42	55
ESSEX COUNTY:								
County Roads—								
Essex 1b—Comber Rd. at Stoney Point	S. 1924	202	6	11	.....	53	272	524
	A. 1924	134	20	6	.....	58	218	279
	S. 1925	192	33	6	.....	39	270	226

	A. 1925	110	.....	5	.....	31	146	213
	S. 1926	214	18	18	.....	31	281	548
Essex 2a—Cottam Rd. traffic, junction 9th Concession Rd. and Leamington-Staples Rd.	S. 1925	80	5	14	.....	11	110	245
	A. 1925	160	19	35	1	9	224	402
	S. 1926	113	10	17	.....	5	145	219
Essex 2c—Leamington-Staples Rd. traffic	S. 1925	212	10	35	.....	62	319	549
	A. 1925	238	19	28	1	23	309	559
	S. 1926	276	7	35	.....	18	336	556
2-1a—Howard Ave. at Provincial Highway	S. 1924	1,243	240	151	18	15	1,667	2,890
	A. 1924	579	114	120	17	19	849	1,746
	S. 1925	851	465	143	16	14	1,489	3,270
	A. 1925	1,143	50	200	50	58	1,501	2,011
	S. 1926	1,970	275	519	149	48	2,961	3,958
2-3a—Belle River-Cottam Rd. at Woodslee	S. 1924	249	21	23	.....	66	359	532
	A. 1924	232	17	17	.....	30	296	475
	S. 1925	254	22	124	.....	26	426	610
	A. 1925	Under construction						
	S. 1926	221	16	40	.....	37	314	394
3-2a—Division Rd., south of Essex at the intersection of Windsor-Talbotville Highway	A. 1924	87	18	6	.....	9	120	303
	S. 1925	Under construction						
	A. 1925	26	1	5	.....	4	36	50
	S. 1926	441	241	40	8	5	725	1,084
Essex 3-a—Townline Rd. traffic between Colchester North and Malden Townships	S. 1925	235	91	24	4	39	393	877
	A. 1925	102	3	17	5	13	140	205
	S. 1926	208	100	35	5	22	370	493
Essex 4a—Tecumseh Rd. at Junction of Pilette Rd.	S. 1926	1,821	202	322	27	52	2,424	3,030
Essex 5a—River Rd. at Townline Rd. between Anderdon and Sandwich West Townships,	S. 1926	626	256	68	.....	9	959	1,722
Essex 6a—County Rd., No. 14 at Staples	S. 1926	156	6	18	4	13	197	339
Township Roads—								
Essex 1a—Tecumseh Rd. at Stoney Point	S. 1924	403	22	35	.....	80	540	1,037
	A. 1924	276	35	22	.....	92	425	577
	S. 1925	390	67	24	.....	63	544	998
	A. 1925	134	.....	8	.....	43	185	253
	S. 1926	344	29	33	.....	43	449	767
Essex 2b—Ninth Concession Rd. easterly at Leamington Staples Rd.	S. 1925	39	4	7	.....	12	62	93
	A. 1925	54	5	13	1	10	83	133
	S. 1926	65	11	12	.....	7	95	118
Essex 3b—Pike Rd. traffic at Junction Pike Rd. and Colchester North and Malden Townline	S. 1925	97	30	11	.....	38	175	377
	A. 1925	68	4	12	.....	14	98	141
	S. 1926	136	49	25	1	17	228	331

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
ESSEX COUNTY—Continued								
Essex 4b—Pilette Rd. southerly from Tecumseh Rd....	S. 1926	524	39	111	24	18	716	955
Essex 5b—Townline Rd. between Anderdon and Sandwich West Townships at junction of River Rd...	S. 1926	204	12	34	.....	19	269	367
Essex 6b—Townline Rd. between Tilbury North and Mersea at Staples.....	S. 1926	99	3	8	2	15	127	173
FRONTENAC COUNTY:								
2-28a—Portland Rd. at Cataraqui Corner.....	S. 1924	275	.....	15	1	45	336	420
	A. 1924	242	20	34	3	26	325	483
	S. 1925	462	24	26	3	38	553	749
	A. 1925	221	1	14	2	43	281	432
	S. 1926	363	25	29	3	35	455	717
Frontenac 1a—Kingston Mills Rd. at Tuttle's Hill.....	S. 1924	172	14	16	4	16	222	381
	A. 1924	103	.....	3	1	18	125	256
	S. 1925	162	22	9	3	12	208	429
	A. 1925	64	1	7	2	9	83	122
	S. 1926	162	9	12	3	9	195	387
Frontenac 1b—Storrington Rd. at Tuttle's Hill.....	S. 1924	337	27	49	6	72	491	742
	A. 1924	139	.....	30	1	47	217	309
	S. 1925	219	30	47	2	22	320	373
	A. 1925	113	1	49	2	22	187	261
	S. 1926	185	19	38	2	13	257	328
Frontenac 2a—Harrowsmith-Yarker Rd. at Shibley's...	S. 1925	143	8	16	.....	18	185	234
	A. 1925	84	2	9	.....	19	114	173
	S. 1926	129	9	14	2	17	171	217
Frontenac 2b—Portland Rd. at Shibley's.....	S. 1925	107	6	10	.....	5	128	184
	A. 1925	57	1	4	.....	7	69	119
	S. 1926	93	7	9	2	6	117	142
Frontenac 3a—Bath Rd. at road leading to Westbrook..	S. 1925	328	39	15	5	22	409	591
	A. 1925	119	4	14	2	13	152	206
	A. 1926	305	22	24	3	9	363	673
Frontenac 3b—Road leading to Westbrook at Bath Rd..	S. 1925	164	15	9	.....	17	205	281
	A. 1925	73	2	12	.....	12	99	133
	S. 1926	103	7	47	.....	11	168	238

GLENGARRY COUNTY:									
Bainsville side road at Provincial Highway	S.	1924	45	1	23	.....	90	169	184
	A.	1924	38	7	9	.....	52	105	180
2-35a—Alexandria Rd. at Lancaster	S.	1925	247	97	51	.....	105	500	627
	A.	1925	167	27	25	.....	96	315	451
	S.	1926	286	119	37	3	105	550	641
GREY COUNTY:									
Grey 1—Owen Sound-Meaford Rd. at Woodford	S.	1924	205	1	14	.....	25	245	323
	A.	1924	154	4	21	.....	24	203	225
	S.	1925	245	14	9	.....	21	289	408
	A.	1925	154	1	10	.....	27	192	231
	S.	1926	288	19	23	1	24	355	452
Grey a—Meaford-Collingwood Rd., lot 31, Collingwood Township	S.	1924	197	3	11	.....	15	226	447
	A.	1924	110	1	18	.....	16	145	191
	S.	1925	301	31	37	.....	13	382	505
	A.	1925	133	.....	22	.....	22	177	214
	S.	1926	466	16	28	.....	35	545	734
10-3a—Durham-Singhampton Rd. at Flesherton	S.	1924	500	5	30	10	107	652	760
	A.	1924	399	.....	38	8	105	550	644
	S.	1925	566	15	32	10	93	716	879
	A.	1925	247	.....	25	9	92	373	401
	S.	1926	689	14	56	12	73	844	965
Grey 3a—Ninth Concession Rd. at Oxenden	S.	1926	99	3	5	.....	49	156	211
Grey 4a—Seventh Concession Rd. at Rocklyn	S.	1926	110	1	6	.....	27	144	172
Grey 4b—Rocklyn-Goring Rd. at Rocklyn	S.	1926	35	.....	4	.....	18	57	68
HALDIMAND COUNTY:									
3-11a—Jarvis-Port Dover Rd. at Jarvis	S.	1924	146	4	8	.....	23	181	361
	A.	1924	118	2	15	.....	53	188	372
	S.	1925	327	62	38	.....	44	471	657
	A.	1925	68	.....	9	1	31	109	137
	S.	1926	211	13	14	6	34	278	214
3-12a—Hagersville-Bainham Rd. at Nelles Corners	S.	1924	179	4	21	5	14	223	311
	A.	1924	154	4	26	4	26	214	284
	S.	1925	239	15	28	.....	17	299	460
	A.	1925	204	2	29	.....	21	256	301
	S.	1926	229	19	49	1	12	310	389
3-13a—Canboro Rd. at Canboro Corner	S.	1924	137	14	12	.....	21	184	323
	A.	1924	104	5	20	.....	26	155	187
	S.	1925	144	17	21	.....	26	208	222
	A.	1925	68	1	10	.....	33	112	202
	S.	1926	142	10	15	.....	16	183	267
Haldimand 2a—Cheapside Rd. at Selkirk-Nanticoke Rd.	S.	1925	115	4	11	.....	20	150	175
	A.	1925	24	.....	2	.....	27	53	83
	S.	1926	297	8	19	1	14	339	525

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
HALDIMAND COUNTY—Continued								
Haldimand 2b—Selkirk-Nanticoke at Cheapside Rd.	S. 1925	115	4	11	.....	20	150	175
	A. 1925	24	.....	2	.....	27	53	83
	S. 1926	142	5	15	.....	18	180	237
Haldimand 4a—Ohsweken Rd. at Hamilton-Jarvis Highway	S. 1926	16	.....	3	.....	17	36	60
HALTON COUNTY:								
5-3a—North and South Rd. traffic at Trafalgar	S. 1924	Not taken						
	A. 1924	276	3	46	.....	26	351	447
	S. 1925	445	14	60	.....	15	534	898
	A. 1925	314	1	38	.....	13	366	523
	S. 1926	484	13	52	1	12	562	811
Halton 1a—Middle Rd. at Merton	S. 1925	91	1	27	.....	7	126	168
	A. 1925	61	.....	24	.....	7	92	128
	S. 1926	104	.....	33	.....	4	141	182
Halton 1b—Bronte's side road at Merton	S. 1925	301	10	44	.....	10	365	619
	A. 1925	155	1	39	.....	14	209	258
	S. 1926	369	14	45	.....	10	438	725
Halton 2a—Milton-Bronte Rd. at Boyne	S. 1925	186	1	12	.....	10	209	341
	A. 1925	198	.....	25	.....	46	269	467
	S. 1926	249	3	14	6	8	280	308
Halton 2b—Boyne-Drumquim Rd. at Boyne	S. 1925	82	.....	5	.....	4	91	130
	A. 1925	115	.....	14	.....	41	170	235
	S. 1926	137	2	6	.....	5	150	193
5-4a—Brant St. at junction of Dundas and Brant Sts.	S. 1925	264	21	19	.....	8	312	507
	A. 1925	112	2	24	.....	10	148	182
	S. 1926	269	19	34	.....	6	328	542
2-15a—Guelph Line Rd. at Toronto-Hamilton Highway	S. 1925	171	6	50	.....	7	234	269
	A. 1925	155	.....	50	.....	6	211	271
	S. 1926	212	4	46	.....	4	266	356
HASTINGS COUNTY:								
Hastings 1a—Hastings Rd. at Foxboro	S. 1924	177	.....	16	.....	27	220	307
	A. 1924	121	1	16	.....	25	163	254
	S. 1925	249	14	17	.....	22	302	416

	A. 1925	143	1	14	.....	15	173	248
Hastings 2—Maynooth Rd. at Bannockburn	S. 1926	214	10	21	1	20	266	486
	S. 1924	124	.....	12	.....	36	172	254
	A. 1924	82	.....	10	.....	22	114	136
	S. 1925	103	4	22	.....	20	149	197
	A. 1925	51	.....	14	.....	15	80	105
Hastings 1b—Sterling Rd. at Foxboro	S. 1926	148	11	12	1	22	194	243
	S. 1924	228	.....	16	.....	38	282	461
	A. 1924	178	1	18	.....	28	225	344
	S. 1925	217	22	14	.....	18	261	387
	A. 1925	126	2	14	.....	14	156	213
	S. 1926	238	12	18	.....	27	295	394
Napanee Rd. at Marysville	A. 1924	86	.....	7	.....	16	109	200
Hastings 3a—Wallbridge-Frankford Rd. at lots 24, 25, junction of Concession 5	S. 1925	106	12	10	.....	25	153	178
	A. 1925	36	.....	9	.....	23	68	98
	S. 1926	62	1	3	1	21	88	131
Hastings 3b—County Rd. No. 2A at Wallbridge Rd.	A. 1925	39	1	5	2	16	63	93
	S. 1926	57	1	2	1	12	73	123
HURON COUNTY:								
Huron 1a—London at Brucefield	S. 1924	383	12	23	.....	57	475	587
	A. 1924	248	4	24	.....	65	341	389
	S. 1925	281	15	23	.....	29	348	500
	A. 1925	156	1	13	.....	46	216	275
	S. 1926	443	24	48	.....	41	556	852
Huron 1b—Bayfield-Seaforth Rd. at Brucefield	S. 1924	419	.....	23	.....	66	508	649
	A. 1924	195	4	22	.....	65	286	357
	S. 1925	227	12	16	.....	33	288	495
	A. 1925	134	.....	11	.....	39	184	256
	S. 1926	428	17	33	.....	37	515	792
Huron 2a—Goderich Rd. at Amberley	S. 1924	178	16	4	.....	24	222	328
	A. 1924	82	2	4	.....	32	120	163
	S. 1925	218	35	9	.....	18	280	434
	A. 1925	91	1	7	.....	26	125	151
	S. 1926	248	68	12	1	31	360	496
Huron 2b—Lucknow Rd. at Amberley	S. 1924	149	16	5	.....	22	192	254
	A. 1924	71	.....	3	.....	30	104	128
	S. 1925	167	26	8	.....	16	217	292
	A. 1925	72	1	6	.....	18	97	119
	S. 1926	189	49	9	.....	25	272	350
Huron 3a—Wingham-Listowel Rd. at Brussels-Wroxeter Rd.	S. 1924	135	.....	6	.....	17	158	272
	A. 1924	69	.....	5	.....	15	89	120
	S. 1925	101	2	5	.....	9	117	259
	A. 1925	40	.....	2	.....	13	55	75
	S. 1926	169	9	12	1	18	209	256

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
HURON COUNTY—Continued								
Huron 3b—Brussels-Wroxeter Rd., at Wingham-Listowel Rd.	S. 1924	94	.....	6	.....	15	115	180
	A. 1924	62	.....	5	.....	16	83	93
	S. 1925	98	4	6	.....	12	120	206
	A. 1925	50	.....	3	.....	13	66	101
	S. 1926	196	12	16	1	23	248	335
Huron 4a—Wincheslea-Berryland Rd., at Kirkton	S. 1924	162	.....	13	4	80	259	363
	A. 1924	130	.....	29	5	83	247	277
	S. 1925	161	2	18	1	49	231	279
	A. 1925	98	.....	18	4	74	194	324
	S. 1926	142	2	24	2	52	222	254
8-9a—Lucknow Rd. traffic south of Goderich at Concession A, lot 9, Goderich Township	S. 1924	Not taken						
	A. 1924	34	3	3	.....	14	54	106
	S. 1925	69	6	4	.....	11	90	164
	S. 1926	Not taken						
Huron 4b—Russeldale-Elginfield Rd., at Kirkton	S. 1924	246	3	32	5	104	390	586
	A. 1924	187	.....	32	7	97	323	389
	S. 1925	263	11	18	3	71	366	519
	A. 1925	156	.....	19	6	79	260	432
	S. 1926	242	7	30	2	65	346	441
Huron 5a—Hensall Rd. at Zurich	S. 1925	Under construction						
	A. 1925	138	1	24	3	76	242	337
	S. 1926	509	9	34	2	99	653	786
Huron 5b—Zurich-Bayfield Rd., at Zurich	S. 1925	Under construction						
	A. 1925	196	1	15	3	80	295	410
	S. 1926	415	8	21	1	64	509	563
Huron 6—Bluewater Highway, near Brewster	S. 1926	466	135	23	4	16	644	1,336
Huron 6a—County Rd., No. 7, at Junction of Bluewater Highway	S. 1926	244	32	16	2	5	299	648
KENT COUNTY:								
Chatham-Wallaceburg Rd., at Concessions 10 and 11, Chatham Township	S. 1924	128	5	16	.....	16	165	350

	A. 1924	77	1	11	.....	51	140	177
	S. 1925	120	10	13	.....	21	164	217
	A. 1925	160	2	20	.....	44	226	304
	S. 1926	243	23	31	8	11	316	408
Kent 1b—Mitchell Bay Rd., at Chatham-Wallaceburg Rd.	S. 1924	17	.....	2	.....	9	28	30
	A. 1924	28	.....	4	.....	97	129	164
	S. 1925	37	2	3	.....	24	66	73
	A. 1925	7	.....	.....	.....	11	18	35
	S. 1926	14	.....	1	.....	2	17	24
Kent 2a—Kent Bridge-Harwich Rd., at Northwood-Chatham Rd.	S. 1925	231	41	20	4	60	356	741
	A. 1925	321	43	28	3	31	426	640
	S. 1926	167	11	16	.....	25	219	282
Kent 2b—Northwood-Chatham Rd., at Kent Bridge Rd.	S. 1925	291	56	21	4	27	399	537
	A. 1925	225	37	19	3	20	304	476
	S. 1926	86	7	11	.....	18	122	183
Kent 3b—Wallaceburg-Walpole Island Rd., at Fort Lambton Rd.	S. 1925	107	13	11	.....	17	148	197
	A. 1925	12	.....	2	.....	13	27	61
	S. 1926	73	8	9	1	15	106	180
Kent 4a—Ridgetown-Highgate Rd., at Ridgetown-Thamesville Rd.	S. 1925	394	28	23	.....	28	473	699
	A. 1925	76	.....	5	.....	18	99	136
	S. 1926	422	52	35	.....	22	531	671
Kent 4b—Ridgetown-Thamesville Rd., at Ridgetown-Highgate Rd.	S. 1925	170	19	14	.....	26	229	299
	A. 1925	33	.....	2	.....	7	42	65
	S. 1926	116	7	9	1	12	145	172
3-3a—Chatham Rd., at Cedar Springs	S. 1924	757	55	121	.....	29	962	1,528
	A. 1924	247	5	38	.....	30	320	400
	S. 1925	574	327	56	2	17	976	1,923
	A. 1925	150	8	36	.....	24	218	270
	S. 1926	726	254	65	1	35	1,081	1,312
3-4a—Ridgetown Rd., at Morpeth	S. 1924	338	26	32	.....	24	420	668
	A. 1924	212	5	19	.....	33	269	315
	S. 1925	320	42	33	.....	28	423	712
	A. 1925	194	3	27	.....	22	246	356
	S. 1926	351	49	37	6	44	487	597
—Tilbury East and Tilbury North townline, south of Tilbury	S. 1924	332	45	32	.....	62	471	853
2-5a—Tupperville Rd., east of Chatham	S. 1925	158	13	21	.....	5	197	262
	A. 1925	76	.....	9	.....	11	96	146
	S. 1926	121	2	25	.....	2	150	196

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
KENT COUNTY—Continued								
Township Roads—								
Tilbury-Stevenson Rd., at Quinn	S. 1924	163	16	10	.....	78	267	427
	A. 1924	183	.....	11	.....	95	289	412
Kent 3a—Port Lambton Rd., at Wallaceburg-Walpole Island Rd	S. 1925	210	52	19	.....	14	295	423
	A. 1925	Not taken						
	S. 1926	102	23	11	4	5	145	238
LAMBTON COUNTY:								
Lambton 1—Sarnia-Thedford Rd., at Aberarder	S. 1924	190	.....	8	3	6	207	339
	A. 1924	73	9	10	2	11	105	152
	S. 1925	136	94	12	4	8	254	349
	A. 1925	55	5	5	2	6	73	99
	S. 1926	133	97	6	4	9	249	332
Lambton 2a—Sarnia-Wallaceburg Rd., at Port Lambton Rd., west of Becher (Port Lambton Rd.)	S. 1924	55	10	5	.....	13	83	194
	A. 1924	29	4	3	.....	11	47	60
	S. 1925	49	17	7	.....	6	79	144
	A. 1925	44	3	4	.....	11	62	92
	S. 1926	33	12	5	.....	6	56	99
Lambton 2b—Sarnia-Wallaceburg Rd., at Port Lambton Rd., west of Becher (Wilkesport Rd. traffic)	S. 1924	62	3	4	.....	20	89	179
	A. 1924	37	1	2	.....	19	59	90
	S. 1925	39	2	5	.....	13	59	74
	A. 1925	7	.....	1	.....	13	21	30
	S. 1926	32	.....	4	.....	8	44	59
Lambton 2c—Sarnia-Wallaceburg Rd., at Port Lambton Rd., west of Becher (Florence Rd. Traffic)	S. 1924	31	2	.....	.....	9	42	124
	A. 1924	15	.....	1	.....	14	30	43
	S. 1925	21	.....	1	.....	6	28	48
	A. 1925	8	.....	.....	.....	10	18	39
	S. 1926	12	1	1	.....	3	17	31

Lambton 2d—Sarnia-Wallaceburg Rd., at Port Lambton Rd., west of Becher (Wallaceburg Rd. traffic)	S. 1924	87	13	6	.....	12	119	275
	A. 1924	59	4	8	.....	23	94	127
	S. 1925	78	13	6	.....	13	110	162
	A. 1925	40	7	5	.....	20	72	81
	S. 1926	66	9	6	.....	11	92	145
7-12a—Sarnia-London Rd., corner of Twenty-four side Rd	S. 1924	105	210	3	.....	3	321	431
	A. 1924	74	101	3	.....	1	179	462
	S. 1925	116	459	7	1	10	593	890
	A. 1925	64	79	7	1	5	156	225
	S. 1926	187	711	8	2	4	912	1,240
7-13a—Sarnia-London Rd., at Wyoming Rd., (Wyoming Rd. traffic)	S. 1924	264	14	15	.....	47	340	476
	A. 1924	197	4	8	.....	44	254	370
	S. 1925	285	515	23	1	27	851	1,398
	A. 1925	213	79	22	.....	39	363	463
	S. 1926	415	26	23	.....	19	483	721
Lambton 1b—Aberarder Rd., between Concessions 10 and 11, Plympton Township	S. 1925	Not taken						
	A. 1925	28	2	3	.....	3	36	60
	S. 1926	37	7	3	.....	9	56	83
Lambton 3a—Alvinston-Oil City Rd., at intersection of Inwood-Shetland Rd	S. 1925	87	4	7	.....	20	118	162
	A. 1925	33	.....	5	.....	11	49	59
	S. 1926	148	7	11	.....	24	190	255
Lambton 3b—Inwood-Shetland Rd., at intersection of Alvinston-Oil City Rd	S. 1925	183	6	17	.....	36	242	310
	A. 1925	158	2	19	.....	54	233	270
	S. 1926	261	14	20	.....	42	337	458
Lambton 4a—River Rd., at Port Lambton	S. 1925	301	177	20	1	23	522	888
	A. 1925	71	5	8	.....	12	96	134
	S. 1926	189	101	22	3	16	331	417
Lambton 4b—Florence Rd., at Port Lambton	S. 1925	113	50	10	.....	13	186	389
	A. 1925	85	13	10	.....	9	117	208
	S. 1926	126	51	14	.....	9	200	257
LANARK COUNTY:								
County Roads—								
Lanark 1—Perth-Franktown Rd., at Richardson	S. 1924	38	.....	.....	.....	35	73	93
	A. 1924	37	.....	.....	.....	27	64	83
	S. 1925	Not taken						
Lanark 1a—Townline Rd., to Ashton Station at West Huntley Rd	S. 1925	6	.....	.....	.....	11	17	28
	A. 1925	4	.....	.....	.....	5	9	20
	S. 1926	6	.....	.....	.....	11	17	24

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

AVERAGE DAILY

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
LANARK COUNTY—Continued								
Lanark 3a—Almonte-Carp Rd., at Almonte-West Huntley Rd.	S. 1926	369	4	13	.....	321	707	1,124
Lanark 3b—Almonte-West Huntley Rd., at Almonte-Carp Rd.	S. 1926	45	.....	3	.....	23	71	95
Lanark 4a—West Port Rd., at Darcyville Rd.	S. 1926	35	4	.....	.....	11	50	135
Township Roads—								
Lanark 1b—West Huntley Rd., at Townline Rd., between Huntley and Ramsay townships	S. 1925	27	.....	1	.....	9	37	67
	A. 1925	12	.....	.....	.....	7	19	30
	S. 1926	14	.....	.....	.....	9	23	28
Lanark 2—Calabogie Rd., at White	S. 1926	21	3	1	.....	9	34	53
Lanark 4b—Darcyville Rd., at Westport Rd.	S. 1926	54	2	.....	.....	15	71	120
15-7—Smith's Falls—Carleton Place Highway, at junction of the Ottawa-Kingston Highway	S. 1926	282	10	15	.....	47	354	523
LEEDS COUNTY:								
Leeds 1a—Athens-Brockville Rd., at Forthon (Athens-Forthon traffic)	S. 1924	84	11	10	.....	13	118	173
	A. 1924	76	5	9	.....	20	110	147
	S. 1925	59	14	7	.....	6	86	120
	A. 1925	40	2	10	.....	7	69	88
	S. 1926	92	20	17	.....	8	137	191
Leeds 1b—Athens-Brockville Rd., at Forthon (Brockville-Smith Falls traffic)	S. 1924	44	5	25	.....	11	85	95
	A. 1924	42	.....	22	.....	12	76	99
	S. 1925	59	8	30	1	8	106	130
	A. 1925	44	1	24	.....	9	78	112
	S. 1926	61	13	28	.....	4	106	152
Leeds 2a—Phillipsville Rd., at Toledo	S. 1925	57	.....	4	.....	54	115	159
	A. 1925	40	.....	4	.....	51	95	138
	S. 1926	80	.....	7	.....	50	137	204
Leeds 2b—Smith Falls-Brockville Rd., at Toledo	S. 1925	132	8	13	.....	72	225	328
	A. 1925	107	1	11	.....	77	196	263
	S. 1926	191	9	15	.....	74	289	354

Leeds 2c—County Rd. No. 29 at Toledo	S.	1925	50	2	3	.....	22	77	116
	A.	1925	34	.....	4	.....	22	60	101
	S.	1926	67	3	5	.....	29	104	148
15-2a—Gananoque Rd., at Seeley's Bay	S.	1924	71	11	3	.....	16	101	146
	A.	1924	52	.....	1	.....	16	69	101
	S.	1925	80	17	4	2	12	115	208
	A.	1925	31	.....	2	.....	8	41	68
	S.	1926	137	23	5	1	11	177	279
15-3a—Rideau Ferry Rd., at Lombardy	S.	1924	142	.....	6	.....	27	175	207
	A.	1924	85	2	5	.....	41	133	172
	S.	1925	112	39	6	.....	23	180	267
	A.	1925	52	2	3	.....	22	79	115
	S.	1926	148	18	5	.....	28	199	218
2-30a—Lynn Rd., west of Brockville at provincial highway	S.	1924	107	.....	9	.....	38	154	174
	A.	1924	95	4	11	.....	41	151	199
	S.	1925	92	16	15	1	31	155	179
	A.	1925	138	16	24	4	28	210	393
	S.	1926	94	7	17	1	21	140	172
2-29½a—Athens Rd., at Mallorytown	S.	1925	51	4	9	.....	27	91	115
	A.	1925	2	.....	.....	.....	2	4	6
	S.	1926	55	10	3	.....	32	100	117
COUNTIES OF LENNOX AND ADDINGTON:									
County Roads—									
Lennox and Addington 1a—Napanee Rd., at Adolphustown	S.	1924	61	4	5	.....	22	92	135
	A.	1924	36	.....	4	.....	21	61	77
	S.	1925	49	5	2	.....	15	71	114
	A.	1925	49	.....	7	.....	16	72	140
	S.	1926	77	4	4	.....	18	103	139
Lennox and Addington 1b—Bath Rd., at Adolphustown	S.	1924	37	2	6	.....	16	61	105
	A.	1924	43	2	5	.....	31	81	103
	S.	1925	37	3	2	.....	11	53	92
	A.	1925	53	.....	11	.....	16	80	126
	S.	1926	85	7	7	.....	22	121	187
Lennox and Addington 3a—County Rd. No. 4, at Milsap	S.	1926	43	.....	2	.....	19	64	86
Lennox and Addington 3b—County Rd. No. 12, at Milsap	S.	1926	54	2	4	1	7	68	112
Township Roads—									
Lennox and Addington 2—At Stella, on Amherst Island	S.	1924	18	.....	1	.....	81	100	119
	A.	1924	17	.....	.....	.....	113	130	175
	S.	1925	21	1	.....	.....	74	96	110
	A.	1925	13	.....	.....	.....	64	77	109
	S.	1926	31	.....	2	.....	66	99	130

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
LINCOLN COUNTY:								
8-2b—Niagara-on-the-Lake at St. Davids	S. 1924	211	.....	49	.....	22	282	339
	A. 1924	293	42	58	.....	60	451	592
	S. 1925	370	90	60	.....	22	542	553
	A. 1925	203	21	44	2	17	287	326
	S. 1926	296	101	72	.....	14	483	587
8-3a—County Rd., at Jordan's Corner	S. 1924	126	.....	25	.....	12	163	266
	A. 1924	230	3	39	2	39	313	344
	S. 1925	244	24	70	.....	24	362	479
	A. 1925	153	2	30	2	20	207	303
	S. 1926	Not taken						
8-4a—Grimsby Park Rd., at Provincial Highway	S. 1924	1,193	.....	56	2	17	1,268	2,217
	A. 1924	171	2	48	.....	37	258	291
	S. 1925	687	110	80	1	43	921	1,543
	A. 1925	156	3	48	.....	21	228	308
	S. 1926	897	145	86	.....	31	1,159	2,762
Lincoln 1a—At Wellandport, Canboro Rd	A. 1925	185	3	18	.....	65	271	362
	S. 1926	416	27	28	.....	38	509	737
Lincoln 1b—At Wellandport, Smithville Rd	A. 1925	84	2	9	.....	27	122	157
	S. 1926	247	15	19	.....	19	300	450
Lincoln 1c—At Wellandport, Forks Rd	A. 1925	103	3	13	.....	32	151	211
	S. 1926	280	17	19	.....	22	338	469
Lincoln 2a—At St. Ann, Smithville Rd	S. 1925	120	8	13	.....	10	151	231
	A. 1925	104	.....	23	.....	25	152	212
	S. 1926	211	9	23	.....	20	263	326
Lincoln 2b—At. St. Ann, Beamsville Rd	S. 1925	110	4	11	.....	8	133	216
	A. 1925	92	.....	24	.....	19	135	166
	S. 1926	210	9	24	.....	15	258	360
Lincoln 2c—At St. Ann, Wellandport Rd	S. 1925	189	6	21	1	29	246	384
	A. 1925	106	.....	26	.....	24	156	185
	S. 1926	251	14	24	.....	21	310	425
Lincoln 3a—Smithville-Hamilton Rd., at the junction of the Smithville-Grimsby Rd	S. 1925	Traffic on	Lincoln 3a	and 3b was	combined.	See Lincoln	3b for result.	

	A. 1925	102	1	19	.....	27	149	187
	S. 1926	Not taken						
Lincoln 3b—Smithville-Grimsby Rd., at junction of Smithville-Hamilton Rd	S. 1925	182	7	25	.....	23	237	293
	A. 1925	76	2	14	.....	14	106	149
	S. 1926	1,040	33	138	.....	188	1,399	1,802
Lincoln 4a—County Rd. No. 5e, in the Village of Campden	S. 1925	Lincoln 4a	and 4b wer	e combined	and the r	esult is sh	own under	Lin. 4b.
	A. 1925	57	1	18	.....	49	125	173
	S. 1926	85	4	18	.....	35	142	169
Lincoln 4b—County Rd. No. 11n, in the Village of Campden	S. 1925	81	3	12	.....	28	124	151
	A. 1925	17	1	7	.....	23	48	75
	S. 1926	39	2	12	.....	18	71	85
Lincoln 5a—County Rd. No. 6e, at junction of County Rd. No. 12n	S. 1925	This was ta	ken at a wr	ong locatio	n, the plac	e and result	s are shown	under Lin.
	A. 1925	16	.....	3	.....	19	38	65
	S. 1926	29	.....	3	.....	7	39	57
Lincoln 5b—County Rd. No. 12n, at junction of County Rd. No. 6e	S. 1925	Not taken						
	A. 1925	10	.....	2	.....	11	23	44
	S. 1926	25	.....	2	.....	3	30	44
Lincoln—Intersection of Road No. 20 and the road to Silverdale (combined traffic)	S. 1925	61	2	3	.....	18	84	95
MIDDLESEX COUNTY:								
Middlesex 1a—Sarnia gravel rd. at Poplar Hill	S. 1924	803	13	33	2	18	869	1,151
	A. 1924	97	100	25	2	25	248	469
	S. 1925	306	588	23	3	19	939	1,225
	A. 1925	171	80	32	2	13	298	391
	S. 1926	294	787	21	3	8	1,113	1,388
Middlesex 1b—Poplar Hill-Delaware Rd. at Poplar Hill	S. 1924	232	21	17	.....	26	296	508
	A. 1924	116	1	16	.....	42	175	218
	S. 1925	218	19	15	.....	22	274	354
	A. 1925	139	3	29	.....	18	189	304
	S. 1926	155	23	12	.....	11	201	238
Glencoe-Alvinston Rd., concessions 12 and 13, Ekfrid Township	S. 1924	106	.....	6	.....	26	138	274
	A. 1924	78	1	5	.....	18	102	148
Kirkwood Rd. at concessions 12 and 13	S. 1924	53	.....	3	.....	12	68	162
Ekfrid Town hip	A. 1924	31	.....	2	.....	10	43	53
Middlesex 2a—Townline Rd., between West Williams and McGillivray townships at concession 21, lots 25 and 26	S. 1925	73	7	5	.....	30	115	144
	A. 1925	38	.....	3	.....	28	69	130
	S. 1926	58	11	5	.....	30	104	129

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
MIDDLESEX COUNTY—Continued								
Middlesex 2b—Twenty-first concession rd., at lots 25 and 26	S. 1925	38	3	3	.....	22	66	104
	A. 1925	23	.....	1	.....	22	46	98
	S. 1926	41	7	3	.....	27	78	98
Middlesex 3a—London-Dorchester Rd. at Nilestown	S. 1924	498	49	62	.....	22	631	932
	A. 1924	291	7	53	.....	23	374	435
	S. 1925	329	26	51	.....	15	421	675
	A. 1925	204	.....	35	.....	15	254	288
	S. 1926	209	13	23	.....	8	253	308
Middlesex 3b—Nilestown-Belmont Rd., at Nilestown	S. 1924	200	4	22	.....	17	243	357
	A. 1924	140	1	23	.....	22	186	224
	S. 1925	177	7	32	.....	12	228	328
	A. 1925	128	.....	23	.....	9	160	206
	S. 1926	161	8	20	.....	10	199	238
2-6a—County Road at Wardsville	S. 1924	261	12	21	.....	75	369	433
	A. 1924	214	9	20	.....	81	324	431
	S. 1925	208	18	21	.....	50	297	355
	A. 1925	213	14	20	.....	52	299	401
	S. 1926	Under construction						
2-7a—Strathroy Road at Christina	S. 1925	89	4	15	.....	23	131	141
	A. 1925	64	1	9	.....	17	91	120
	S. 1926	78	6	6	.....	14	104	120
2-9a—Whitton Road at Provincial Highway	S. 1924	227	.....	10	.....	7	244	318
	A. 1924	163	3	9	.....	5	180	217
	S. 1925	138	13	16	.....	6	173	242
	A. 1925	108	3	20	1	7	139	176
	S. 1926	134	10	19	.....	2	165	194
4-3a—County Road traffic north of London	S. 1924	327	223	19	2	10	581	833
	A. 1924	122	5	18	.....	24	169	239
	S. 1925	980	489	62	6	23	1,560	2,613
	A. 1925	503	13	53	3	27	599	733
	S. 1926	168	21	19	.....	15	223	292

7-10c—Elginfield-Lucan Road at Elginfield	S.	1924	Not taken						
	A.	1924	202	4	17	2	38	263	374
	S.	1925	217	23	15	1	16	272	409
	A.	1925	133	2	9	2	21	167	203
	S.	1926	402	32	25	2	17	478	608
7-11a—Kirwood Road at Sarnia-London Highway	S.	1924	59	1	5	.....	31	96	145
	A.	1924	37	2	3	.....	26	68	94
	S.	1925	54	4	2	1	14	75	107
	A.	1925	39	.....	2	.....	19	60	82
	S.	1926	50	7	6	.....	12	75	98
NORFOLK COUNTY:									
County Roads—									
Norfolk 1a—Simcoe-Pt. Dover Rd., at Vittoria Rd	S.	1924	1,220	109	122	19	73	1,543	2,610
	A.	1924	375	9	58	.....	59	501	648
	S.	1925	875	44	61	.....	20	1,000	1,680
	A.	1925	355	2	34	.....	13	404	510
	S.	1926	1,055	66	75	7	15	1,218	1,648
Norfolk 1b—Vittoria Rd., at Simcoe-Pt. Dover Rd.	S.	1924	515	45	47	4	49	680	1,014
	A.	1924	151	5	18	.....	22	196	258
	S.	1925	397	16	35	.....	15	463	551
	A.	1925	214	2	20	.....	11	247	364
	S.	1926	450	28	40	6	10	534	661
Norfolk 2—Simcoe-Brantford Rd., at concessions 6 and 7	S.	1924	329	18	37	.....	60	444	730
	A.	1924	164	.....	21	.....	67	262	269
	S.	1925	304	9	46	1	71	431	601
	A.	1925	146	1	26	.....	70	243	359
	S.	1926	513	29	60	1	56	659	887
Norfolk 3a—Waterford Rd., at Windham Centre	S.	1925	160	7	17	.....	43	227	268
	A.	1925	110	1	16	.....	29	156	194
	S	1926	174	2	30	.....	30	236	291
3-9a—County Road at Courtland	S.	1924	199	8	27	.....	67	301	324
	A.	1924	179	2	23	.....	78	282	323
	S.	1925	197	16	37	.....	71	321	345
	A.	1925	154	1	27	.....	75	257	363
	S.	1926	208	10	41	.....	67	326	399
3-10a—Brantford-Pt. Dover Rd. at Renton	S.	1924	193	8	5	.....	75	281	362
	A.	1924	133	1	10	.....	44	188	219
	S.	1925	161	11	9	.....	29	210	292
	A.	1925	193	3	14	.....	41	251	308
	S.	1926	421	115	44	7	33	620	804
Township Roads—									
Norfolk 3b—Teeterville Rd at Windham Centre	S.	1925	102	5	14	.....	20	141	180
	A.	1925	64	.....	15	.....	36	115	143
	S.	1926	110	1	21	.....	19	151	181

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
NORTHUMBERLAND AND DURHAM COUNTIES:								
Durham 1a—Newcastle-Lindsay Rd., at Kirby	S. 1925	85	5	4	.....	15	109	182
	A. 1925	77	1	4	.....	16	98	134
	S. 1926	218	7	13	.....	37	275	375
Durham 1b—Kendal Road at Kirby	S. 1925	19	1	2	.....	11	33	46
	A. 1925	15	.....	1	1	14	31	61
	S. 1926	51	.....	4	.....	25	80	110
2-21a—Canton Road at Welcome Corner	S. 1924	149	2	6	.....	41	198	359
	A. 1924	119	.....	12	.....	39	170	217
	S. 1925	127	3	12	1	29	172	200
	A. 1925	99	1	17	.....	41	158	220
	S. 1926	214	11	12	.....	36	273	359
2-20a—County Road at Courtice Corners	S. 1925	87	3	9	.....	11	110	138
	A. 1925	44	.....	6	.....	10	60	86
	S. 1926	77	.....	7	.....	14	98	129
Township Roads—								
Northumberland 1—Brighton-Picton Rd. at Murray Canal	S. 1924	103	4	9	.....	34	150	268
	A. 1924	61	.....	6	.....	50	117	129
ONTARIO COUNTY:								
County Roads—								
12-1a—County Rd., south of Brooklin at intersection of Whitby-Lindsay Highway	S. 1924	Not taken						
	A. 1924	130	.....	13	.....	37	180	203
	S. 1925	231	11	21	.....	19	282	460
	A. 1925	123	.....	22	.....	31	176	204
	S. 1926	Under construction						
12-2a—Port Perry Rd. east of Manchester corners	S. 1924	557	10	21	.....	24	612	1,186
	A. 1924	218	1	15	.....	29	263	372
	S. 1925	318	8	21	.....	26	373	700
	A. 1925	147	.....	13	.....	34	194	279
	S. 1926	455	13	28	.....	23	519	832
12-3a—County Road at lots 12-13, Brock Township	S. 1924	199	.....	6	3	10	218	329
	A. 1924	94	.....	4	.....	20	118	163

	S. 1925	181	12	5	.....	14	212	344
	A. 1925	103	.....	8	.....	18	129	901
	S. 1926	314	13	12	.....	10	349	440
Ontario 1a—Scugog Rd., at junction of Port Perry-Nestleton Station Rd	S. 1924	Not taken						
	S. 1925	174	6	15	.....	25	220	364
	A. 1925	66	.....	12	.....	35	113	150
	S. 1926	319	5	24	.....	36	384	584
Ontario 1b—Port Perry-Nestleton Rd., at junction of Scugog Rd	S. 1925	152	.....	15	.....	15	182	324
	A. 1925	41	.....	4	.....	13	58	107
	S. 1926	192	5	14	.....	16	227	392
Ontario 2—County Road No. 49	S. 1926	226	6	5	1	9	247	437
Ontario 2a—County Road No. 17 and 24	S. 1926	276	1	6	.....	30	313	487
OXFORD COUNTY:								
County Roads—								
Oxford 1a—Ingersoll-Tillsonburg Rd. at Salford	S. 1924	273	18	36	4	98	429	564
	A. 1924	201	13	21	4	69	308	341
	S. 1925	313	26	42	4	83	467	619
	A. 1925	246	15	29	4	80	374	510
	S. 1926	358	35	43	5	76	517	634
Oxford 1b—Salford-Burgessville Rd., at Salford	S. 1924	55	2	7	.....	53	117	137
	A. 1924	57	3	5	.....	37	102	133
	S. 1925	56	3	7	.....	50	116	153
	A. 1925	59	8	5	.....	52	124	168
	S. 1926	71	6	14	.....	43	134	166
Oxford 2b—Embro-Beachville Rd., at junction of County Road No. 19	S. 1924	146	10	16	.....	16	188	249
	A. 1924	111	2	14	.....	16	143	175
	S. 1925	123	6	13	.....	13	155	183
	A. 1925	59	.....	6	.....	7	72	92
	S. 1926	132	5	14	.....	14	166	192
Oxford 3a—Harrington Rd. at junction of Embro Road	S. 1925	107	6	8	.....	21	142	170
	A. 1925	104	.....	9	1	23	137	201
	S. 1926	118	3	14	.....	16	151	183
Oxford 3b—Embro Rd., at junction of Harrington Rd	S. 1925	116	6	8	.....	17	147	219
	A. 1925	105	.....	8	1	23	137	193
	S. 1926	139	4	15	.....	17	174	204
2-11a—Burford Rd. at Eastwood	S. 1924	390	210	19	.....	15	634	802
	S. 1925	267	282	20	.....	8	577	725
	A. 1925	46	2	9	.....	12	69	80
	S. 1926	110	12	17	.....	9	148	196

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
OXFORD COUNTY—Continued								
Township Roads—								
Oxford 2a—Embro-Beachvil'e Rd. at County Road No. 19	S. 1924	164	.....	12	.....	20	196	270
	A. 1924	112	2	14	.....	9	137	149
	S. 1925	149	5	12	.....	13	179	276
	A. 1925	69	.....	8	.....	7	84	114
	S. 1926	148	5	18	.....	13	184	213
PETERBOROUGH COUNTY:								
Peterborough 1a—Chemong Rd., north of Lindsay Rd.	S. 1924	671	.....	31	8	27	737	1,065
	A. 1924	176	2	36	.....	28	242	348
	S. 1925	670	43	57	15	21	806	1,103
	A. 1925	143	.....	30	.....	18	191	296
	S. 1926	521	38	38	13	15	625	851
Peterborough 1b—Lindsay Rd., west of Chemong Rd.	S. 1924	175	.....	10	.....	5	190	326
	A. 1924	120	.....	17	.....	7	144	199
	S. 1925	201	10	19	.....	5	234	411
	A. 1925	108	.....	17	.....	5	130	204
	S. 1926	228	27	24	.....	3	282	430
Peterborough 1c—Communication Rd., south of Chemong Road	S. 1924	846	.....	41	9	31	927	1,391
	A. 1924	296	2	53	.....	35	386	547
	S. 1925	870	53	76	15	26	1,040	1,514
	A. 1925	251	.....	47	.....	23	321	500
	S. 1926	748	65	62	13	18	906	1,281
Peterborough 2a—Block Road at Norwood Road	S. 1924	141	4	17	.....	10	172	229
	A. 1924	124	2	23	1	11	161	212
	S. 1925	28	.....	4	.....	7	39	51
	A. 1925	19	.....	3	.....	5	27	42
	S. 1926	19	.....	3	.....	2	24	37
Peterborough 2b—Norwood Rd. at Block Rd.	S. 1924	147	2	17	.....	10	176	226
	A. 1924	122	2	23	.....	10	157	239
	S. 1925	188	9	23	1	3	224	296
	A. 1925	125	.....	23	.....	7	155	222
	S. 1926	228	11	24	1	5	269	362

Peterborough 2c—Keene Rd., at intersection of Norwood and Block Roads	S. 1926	30	1	4	.....	3	38	57
12a-2a—Junction of Provincial Highway No. 12a and County Road at Concessions 7 and 8, Monoghan Township, county road traffic	S. 1924	31	.....	7	.....	11	49	62
	A. 1924	13	.....	3	.....	10	26	37
	S. 1925	13	.....	1	.....	8	22	31
	A. 1925	4	.....	1	.....	7	12	15
	S. 1926	21	1	3	.....	12	37	45
PRESCOTT COUNTY:								
17-2a—Junction of Provincial Highway No. 17 and road one mile west of Alfred	S. 1925	47	7	1	8	127	189	254
	A. 1925	33	1	2	4	60	100	145
	S. 1926	59	5	8	3	89	164	216
PRINCE EDWARD COUNTY:								
14-1a—Wellington Rd., at Bloomfield	S. 1924	244	6	11	.....	41	302	377
	A. 1924	199	4	22	1	54	280	354
	S. 1925	323	11	31	1	59	425	590
	A. 1925	203	.....	23	3	56	285	333
	S. 1926	357	18	23	.....	77	475	655
14-2a—Carrying Place Rd., at Rossmore	S. 1925	238	15	42	.....	45	340	549
	A. 1925	80	1	19	.....	33	133	198
	S. 1926	167	5	20	.....	32	224	327
Prince Edward 1a—High Shore Rd., at junction of Demorestville Rd	S. 1926	90	5	5	.....	18	118	176
Prince Edward 1b—Demorestville Rd., at junction of High Shore Rd	S. 1926	167	4	26	.....	40	245	301
PEEL COUNTY:								
Peel 1—Belfountain-Cheltenham Rd. at Belfountain	S. 1924	246	.....	7	.....	80	333	542
	A. 1924	74	2	4	.....	63	143	170
	S. 1925	100	1	3	.....	23	127	297
	A. 1925	38	.....	3	.....	31	72	158
	S. 1926	279	3	4	.....	60	346	583
PERTH COUNTY:								
Perth 1—Mitchell-Listowel Rd. at Bornholm	S. 1924	362	.....	18	.....	80	460	662
	A. 1924	189	3	12	.....	88	292	346
	S. 1925	230	17	15	.....	47	309	503
	A. 1925	202	.....	14	.....	99	315	295
	S. 1926	289	12	20	.....	44	365	456
7-7a—Tavistock Rd. at Shakespeare	S. 1924	282	5	14	.....	19	321	526
	A. 1924	174	.....	59	.....	67	300	370
	S. 1925	245	6	14	.....	19	284	484
	A. 1925	190	1	20	.....	42	253	407
	S. 1926	310	5	35	.....	21	371	426

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

AVERAGE DAILY

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
PERTH COUNTY—Continued								
7-8a—Stratford-Fairview Rd. south of Stratford at Concessions 3 and 4, Downey Township	S. 1924	232	12	7	.....	35	296	482
	A. 1924	99	2	6	.....	25	132	165
	S. 1925	118	2	8	.....	17	145	197
	A. 1925	85	1	8	.....	23	117	139
	S. 1926	128	2	10	.....	15	155	185
8-7a—St. Mary's Rd. east of Sebringville	S. 1924	130	4	6	.....	12	152	217
	A. 1924	60	.....	1	.....	19	80	89
	S. 1925	72	3	5	.....	12	92	114
	A. 1925	57	.....	4	.....	26	87	137
	S. 1926	83	1	5	.....	22	111	158
RENFREW COUNTY:								
County Roads—								
Renfrew 1—Renfrew-Douglas Rd. at McDougal	S. 1924	159	1	12	.....	33	205	298
	A. 1924	70	3	6	.....	19	98	140
	S. 1925	111	2	9	.....	27	149	258
	A. 1925	87	3	7	.....	21	118	139
	S. 1926	159	11	11	1	27	209	253
Renfrew 2—Pembroke-Douglas Rd. at Rankin	S. 1924	147	.....	6	.....	24	177	297
	A. 1924	104	2	5	.....	35	146	231
	S. 1925	135	3	6	.....	41	185	337
	A. 1925	74	1	7	.....	39	121	137
	S. 1926	194	6	7	4	35	246	434
Renfrew 3—Westmeath Rd. at intersection of Lapasse Rd	S. 1925	37	3	6	.....	26	72	83
	A. 1925	27	.....	2	.....	32	61	97
	S. 1926	33	.....	4	.....	24	61	70
Renfrew 3a—Lapasse Rd. at Westmeath Rd	S. 1925	51	3	4	.....	36	94	113
	A. 1925	18	.....	1	.....	29	48	78
	S. 1926	33	.....	2	.....	22	57	69
17-6a—Lot 21, Concession 1, at Admaston Township, County Rd	S. 1924	39	.....	1	.....	12	52	84
	A. 1924	42	.....		.....	9	52	68

	S. 1925	70	2	6	.....	16	94	130
	A. 1925	36	.....	2	.....	10	48	60
	S. 1926	58	1	4	.....	11	74	109
17-7a—Cobden Rd. at Concessions 1 and 2, Ross Township	S. 1924	167	.....	12	.....	92	271	305
	A. 1924	124	2	7	.....	83	216	247
	S. 1925	205	7	11	5	84	312	334
	A. 1925	98	1	6	.....	96	201	339
	S. 1926	219	7	14	.....	77	317	353
RUSSELL COUNTY:								
Russell 1a—Town Line Rd. between Russell and Cumberland Townships	S. 1926	20	1	3	.....	17	41	51
Russell 1b—Russell Rd. at junction of Town Line Rd	S. 1926	19	.....	4	1	25	49	80
SIMCOE COUNTY:								
County Roads—								
Simcoe 1a—Barrie-Elmvale Rd. at Midhurst	S. 1924	158	.....	7	.....	6	171	280
	A. 1924	56	.....	7	.....	8	71	99
	S. 1925	170	7	10	.....	6	193	360
	A. 1925	59	.....	7	.....	7	73	111
	S. 1926	263	7	14	4	1	289	510
Simcoe 1b—Minesing Rd. at Midhurst	S. 1924	262	5	11	.....	16	294	440
	A. 1924	120	.....	11	.....	21	152	213
	S. 1925	241	10	14	.....	16	281	483
	A. 1925	101	1	10	.....	17	129	193
	S. 1926	398	12	16	.....	12	438	715
Simcoe 2a—Minesing Rd. at Sunnydale	S. 1924	193	.....	3	.....	15	211	318
	A. 1924	75	.....	4	.....	15	94	110
	S. 1925	233	17	7	.....	15	272	409
	A. 1925	146	1	4	.....	29	180	364
	S. 1926	405	24	11	.....	22	462	697
Simcoe 2b—Brentwood-Collingwood Rd. at Sunnydale	S. 1924	293	.....	7	.....	32	332	527
	A. 1924	140	.....	7	.....	46	193	234
	S. 1925	284	14	8	1	27	334	543
	A. 1925	171	1	6	.....	39	217	261
	S. 1926	192	1	5	1	24	223	384
11-4a—Penetang Rd. at Crown Hill	S. 1924	217	11	9	.....	28	265	397
	A. 1924	125	.....	8	.....	28	161	213
	S. 1925	211	19	15	.....	18	263	375
	A. 1925	127	.....	9	.....	26	162	214
	S. 1926	424	56	14	4	20	518	754
11-5a—County Rd. at South Limits, Orillia	S. 1924	190	1	23	2	36	252	324
	A. 1924	147	.....	28	2	46	223	348
	S. 1925	216	8	29	1	33	287	368
	A. 1925	124	1	22	.....	32	179	283
	S. 1926	267	7	30	2	33	339	355

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
SIMCOE COUNTY—Continued								
Township Road—								
11-6a—Sparrow Lake Rd. at Toronto-Severn Highway..	S. 1924	131	2	.....	.....	4	137	192
	A. 1924	30	.....	2	.....	2	34	41
	S. 1925	98	9	2	.....	1	110	223
	A. 1925	31	.....	1	.....	3	35	59
	S. 1926	143	15	8	.....	1	167	266
VICTORIA COUNTY:								
County Roads—								
Victoria 1a—Omemee Rd., south of Lindsay at Cobourg Rd.....	S. 1924	518	6	30	.....	90	644	922
	A. 1924	371	.....	32	.....	84	487	670
	S. 1925	541	14	37	.....	60	652	986
	A. 1925	230	1	24	.....	33	288	421
	S. 1926	448	11	32	.....	32	523	704
Victoria 1b—Cobourg Rd., south of Lindsay at Omemee	S. 1924	180	2	9	.....	44	235	358
	A. 1924	148	.....	16	.....	40	204	275
	S. 1925	218	4	12	.....	29	263	383
	A. 1925	145	.....	18	.....	30	193	282
	S. 1926	266	3	16	1	25	310	461
Victoria 2a—Bobcaygeon Rd. at King's Wharf Rd.....	S. 1924	50	2	4	.....	20	76	149
	A. 1924	30	.....	2	.....	16	48	89
Victoria 3a—Bobcaygeon Rd. at east limits of Lindsay. Moved three-quarter mile northerly owing to paving operations.	S. 1924	377	11	29	.....	62	479	607
	A. 1924	180	.....	17	.....	71	268	370
	S. 1925	377	13	21	.....	43	454	648
	A. 1925	164	.....	15	.....	52	231	318
	S. 1926	339	25	20	.....	33	417	546
Victoria 3b—Downeyville Rd. at east limits of Lindsay.	S. 1924	155	3	17	.....	79	254	322
	A. 1924	116	3	9	.....	101	229	368
	S. 1925	137	1	16	.....	75	229	296
	A. 1925	100	.....	12	.....	97	209	258
	S. 1926	226	5	23	.....	97	351	423

12-4a—Little Britain Rd. at western limits of Lindsay..	S.	1924	155	1	15	.....	19	190	226
	A.	1924	90	1	14	.....	15	120	166
	S.	1925	356	9	34	.....	28	427	524
	A.	1925	281	1	27	.....	36	345	468
	S.	1926	424	8	24	.....	22	478	570
Township Roads—									
Victoria 2b—King's Wharf Rd. at Bobcaygeon Rd.....	S.	1924	22	.....	2	.....	18	42	62
	A.	1924	22	.....	1	.....	14	37	58
WATERLOO COUNTY:									
County Roads—									
Waterloo 1a—Waterloo-Elmira Rd. at St. Clements Rd.	S.	1924	811	4	52	8	64	939	1,533
	A.	1924	539	1	59	8	73	680	895
	S.	1925	818	53	65	8	86	1,031	1,864
	A.	1925	262	3	30	8	41	344	558
	S.	1926	954	25	71	8	60	1,118	1,626
Waterloo 1b—St. Clements Rd. at Elmira Rd.....	S.	1924	Closed to traffic owing to construction work.						
	A.	1924	191	.....	20	.....	43	254	428
	S.	1925	328	25	30	.....	38	441	707
	A.	1925	175	2	18	.....	57	252	349
	S.	1926	352	7	28	.....	28	415	564
Waterloo 2a—West Montrose-Winterbourne Rd., lots 1, 74, 75, Woolwich Township.....	S.	1924	92	.....	6	.....	31	130	214
	A.	1924	77	1	11	.....	34	123	149
	S.	1925	105	2	12	1	40	161	195
	A.	1925	54	.....	10	.....	37	101	151
	S.	1926	99	2	10	.....	129	240	305
7-5a—East of Kitchener, Preston-Conistogo Rd.....	S.	1924	260	1	19	.....	37	318	492
	A.	1924	60	.....	4	.....	24	88	102
	S.	1925	160	19	24	.....	38	241	263
	A.	1925	104	1	20	.....	52	177	272
	S.	1926	151	2	22	.....	34	209	237
7-6a—Wellesley Rd. at Baden.....	S.	1924	70	2	11	2	19	104	160
	A.	1924	56	.....	6	.....	21	85	107
	S.	1925	60	3	10	.....	15	88	131
	A.	1925	9	.....	2	.....	15	26	34
	S.	1926	144	4	16	.....	19	183	241
Township Roads—									
Waterloo 2b—Guelph-West Montrose Rd. at lots 1, 74, 75, Woolwich Township.....	S.	1924	100	.....	9	.....	30	139	225
	A.	1924	76	.....	11	.....	32	119	160
	S.	1925	102	1	13	.....	29	146	194
	A.	1925	62	.....	11	.....	38	111	168
	S.	1926	100	2	10	.....	120	232	308

COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
WELLAND COUNTY:								
Welland 1a—Garrison Rd. at Chippewa Rd.	S. 1924	2,179	.....	52	32	12	2,275	4,057
	A. 1924	395	239	44	24	72	774	1,479
	S. 1925	506	1,892	88	31	15	2,532	3,055
	A. 1925	703	305	53	23	29	1,113	1,599
	S. 1926	1,037	2,008	106	22	14	3,187	4,178
Welland 1b—Ridgeway Rd. at Garrison Rd.	S. 1924	1,965	.....	59	33	22	2,079	3,417
	A. 1924	347	149	45	22	44	607	976
	S. 1925	500	1,644	98	32	19	2,293	2,461
	A. 1925	627	239	60	23	46	995	1,329
	S. 1926	975	1,607	106	22	14	2,724	3,126
Welland 1c—Chippewa Rd. at Garrison Rd.	S. 1924	493	.....	28	4	23	548	1,080
	A. 1924	200	14	31	.....	35	280	363
	S. 1925	275	211	41	3	16	546	691
	A. 1925	431	94	41	.....	37	603	645
	S. 1926	570	526	57	3	13	1,169	1,813
Welland 2—Garrison Rd. at lot 1, concession 1, Wainfleet Township	S. 1924	591	162	69	1	42	885	1,607
	A. 1924	387	45	72	.....	58	562	957
	S. 1925	854	348	132	1	110	1,445	2,354
	A. 1925	355	39	108	2	63	567	692
	S. 1926	907	384	151	2	45	1,489	2,052
3-14a—County Rd., lots 39-40, Wainfleet Township, at Provincial Highway	S. 1924	163	26	19	.....	7	215	367
	A. 1924	74	8	15	.....	10	107	152
	S. 1925	107	7	18	.....	5	137	249
	A. 1925	98	3	14	.....	6	121	154
	S. 1926	578	185	53	3	18	837	1,525
3-15a—Montrose Rd. at Lundy's Lane	S. 1924	238	67	42	.....	18	365	663
	A. 1924	280	36	43	.....	28	387	543
	S. 1925	364	71	49	3	31	518	693
	A. 1925	262	24	58	1	22	367	425
	S. 1926	299	59	42	.....	18	418	722

8-1a—Thorold Rd. at South End Corner	S.	1924	562	55	92	4	33	746	1,078
	A.	1924	364	50	76	.....	26	516	655
	S.	1925	588	100	123	1	16	828	977
	A.	1925	321	112	98	1	19	551	618
	S.	1926	364	82	86	1	10	543	613
8-1b—Portage Rd. at Southend Corner	S.	1924	588	54	177	5	24	848	1,128
	A.	1924	1,290	319	289	47	48	1,993	3,357
	S.	1925	559	194	129	1	23	906	1,170
	A.	1925	209	45	84	1	15	354	401
	S.	1926	468	133	109	.....	19	729	1,022
Niagara Boulevard, near Bridgeburg	S.	1926	487	518	39	4	6	1,054	1,840
WELLINGTON COUNTY:									
County Roads—									
Wellington 1b—Elora Rd. at Alma	S.	1924	373	9	11	.....	58	451	762
	A.	1924	253	.....	21	.....	87	361	412
	S.	1925	360	19	26	.....	91	496	713
	A.	1925	194	4	10	.....	82	290	338
	S.	1926	591	29	36	.....	81	737	1,737
Wellington 1c—Elmira Rd. at Alma	S.	1924	Not taken						
	A.	1924	74	.....	8	.....	32	114	136
	S.	1925	150	7	10	.....	28	195	287
	A.	1925	78	1	6	.....	29	114	185
	S.	1926	208	8	16	.....	20	252	390
9-2a—Palmerston Rd. at Teviotdale	S.	1924	61	.....	3	.....	11	75	107
	A.	1924	34	.....	3	.....	5	42	52
	S.	1925	52	1	4	.....	6	63	103
	A.	1925	41	.....	5	.....	13	59	65
	S.	1926	103	4	7	.....	12	126	173
9-2b—Elora Rd. at Teviotdale	S.	1924	285	9	8	.....	15	317	481
	A.	1924	90	2	6	.....	7	105	134
	S.	1925	205	10	9	.....	6	230	406
	A.	1925	61	1	5	.....	8	75	170
	S.	1926	256	16	12	.....	5	289	491
9-3a—Clifford-Hanover Rd. at Clifford Village	S.	1924	150	4	8	.....	29	191	289
	A.	1924	85	.....	8	.....	36	129	166
	S.	1925	128	6	14	.....	26	174	242
	A.	1925	71	1	8	.....	41	121	172
	S.	1926	136	5	13	.....	28	182	245
6-5a—Arthur-Orangeville Rd. at Arthur	S.	1924	103	.....	3	92	92	198	313
	A.	1924	70	1	2	.....	100	173	224
	S.	1925	101	1	4	.....	72	178	147
	A.	1925	32	.....	3	.....	59	94	125
	S.	1926	244	3	3	.....	72	322	489

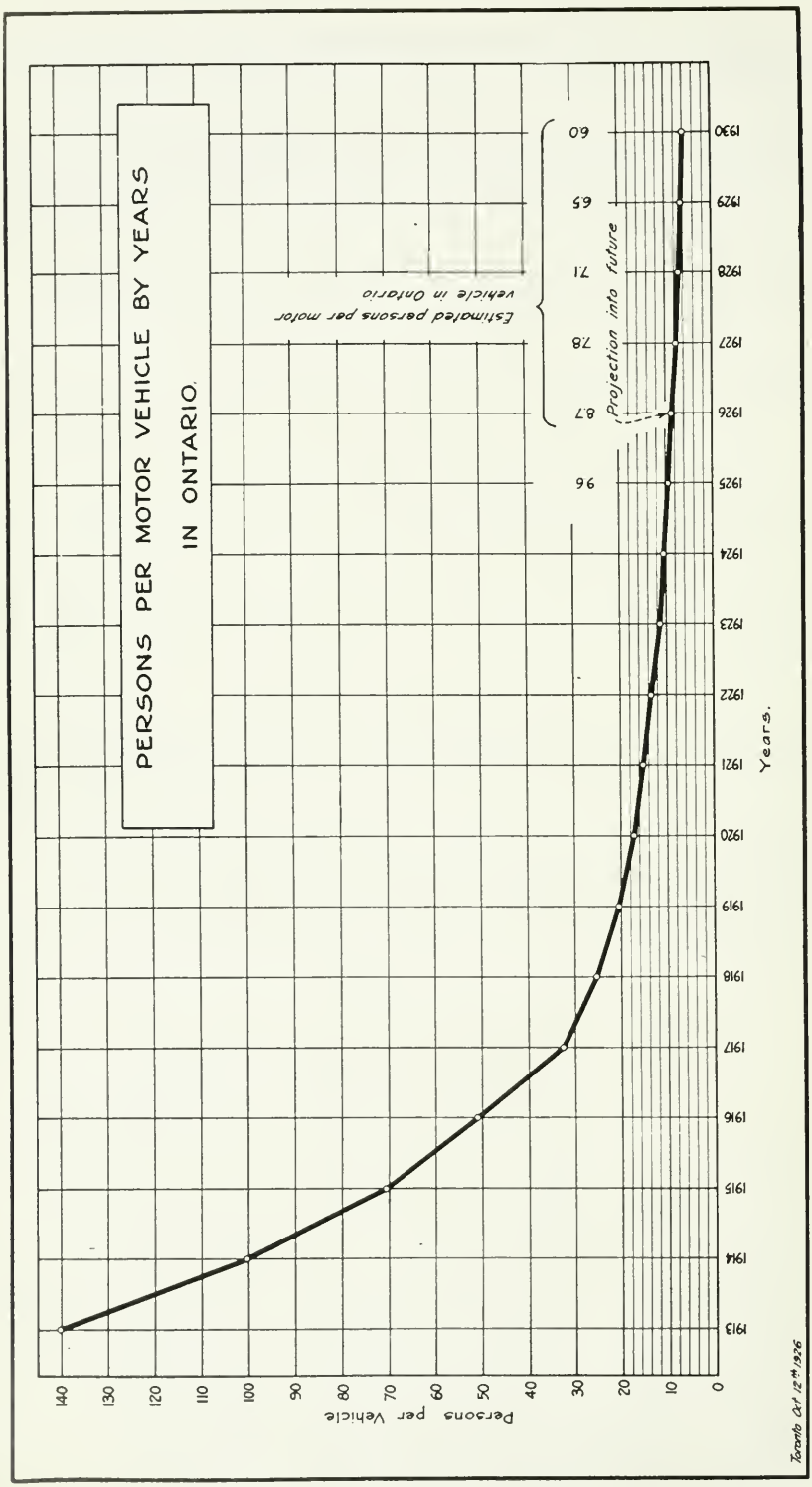
COUNTY ROAD TRAFFIC—1924, 1925 and 1926—Continued

Traffic Census

DAILY AVERAGE

Location of Observer	Year	Automobiles		Trucks	Busses	Horse-drawn Vehicles	Total Daily Average	Maximum for One Day
		Ontario	Foreign					
WELLINGTON COUNTY—Continued								
Township Road—								
Wellington 1a—Archibald and Lobey sideroad at Alma	S. 1924	23	.....	2	.....	25	50	73
	A. 1924	10	.....	1	.....	21	32	42
	S. 1925	19	.....	3	.....	18	40	64
	A. 1925	22	.....	.....	.....	23	45	77
	S. 1926	72	1	9	.....	18	100	141
WENTWORTH COUNTY:								
Wentworth 1a—Barton Street at Parkdale Avenue	S. 1924	836	5	106	.....	90	1,037	1,292
Wentworth 1b—Parkdale Avenue at Barton Street	S. 1924	458	2	44	.....	49	533	660
5-6a—County Rd. at Concessions 5 and 6, Glanford Township	A. 1924	92	1	7	.....	28	128	181
	S. 1926	95	1	14	.....	15	125	147
6-2a—Brock Rd. at Freelton	S. 1924	113	2	11	.....	24	150	237
	A. 1924	103	.....	10	.....	28	141	178
	S. 1925	102	4	15	.....	15	136	162
	A. 1925	86	.....	19	.....	29	134	183
	S. 1926	131	2	15	.....	19	167	230
6-1a—Dundas St. west of Clappison's Corners	S. 1924	234	5	17	.....	17	273	415
	A. 1924	245	2	18	.....	21	286	365
	S. 1925	274	10	26	.....	10	320	428
	A. 1925	254	3	53	.....	14	324	374
	S. 1926	442	19	40	.....	7	508	678
8-5a—Old Stoney Creek Rd. at Hamilton-Queenston Highway	S. 1924	107	.....	12	.....	5	124	149
	A. 1924	69	.....	6	.....	5	80	94
	S. 1925	147	15	30	1	7	200	290
	A. 1925	98	4	38	2	8	150	176
	S. 1926	259	15	49	.....	12	335	486
8-6a—Brock Rd. at Bullock's Corners	S. 1924	294	4	45	.....	48	391	454
	A. 1924	276	3	61	.....	60	400	442
	S. 1925	375	10	62	.....	33	480	582
	A. 1925	255	2	59	.....	38	354	429
	S. 1926	326	7	54	.....	37	424	567

2-14a—Dundas Rd. at Binkley's Corners	S.	1925	2,201	220	327	133	59	2,940	3,647
	A.	1925	1,529	26	212	106	37	1,910	2,547
	S.	1926	2,391	207	356	139	47	3,140	3,956
York County:									
York 1a—Sutton Rd. at Sharon	S.	1924	1,209	.....	51	.....	35	1,295	2,579
	A.	1924	364	1	39	.....	36	440	650
	S.	1925	965	33	45	.....	27	1,070	1,687
	A.	1925	288	.....	30	.....	26	344	483
	S.	1926	1,252	22	57	1	17	1,349	3,236
York 1b—Mount Albert Rd. at Sharon	S.	1924	113	.....	12	.....	16	141	218
	A.	1924	104	.....	14	.....	18	136	182
	S.	1925	134	1	11	.....	12	158	232
	A.	1925	128	.....	10	.....	16	154	249
	S.	1926	145	1	12	.....	8	166	224
York 2—West Rd. at Eglinton Avenue	A.	1925	1,744	3	533	44	99	2,423	2,966
	S.	1926	3,021	18	716	5	120	3,880	4,506
York 3—Vaughan Rd. at Eglinton Avenue	A.	1925	849	1	367	6	118	1,341	2,659
	S.	1926	1,775	9	345	5	77	2,211	2,617
11-Ob—West from Yonge Street at Lansing Corner	S.	1925	106	2	32	.....	15	155	281
	A.	1925	139	2	42	.....	38	221	457
	S.	1926	130	1	14	.....	9	154	230
11-Oc—East from Yonge Street at Lansing Corner	S.	1925	311	8	92	.....	23	434	652
	A.	1925	531	1	166	.....	38	736	1,646
	S.	1926	512	6	56	.....	16	590	853
11-1a—Langstaff Rd. at Langstaff Corner	S.	1924	490	6	57	2	36	591	809
	A.	1924	414	4	125	.....	59	602	937
	S.	1925	400	10	55	1	18	484	859
	A.	1925	268	1	62	.....	24	355	479
	S.	1926	781	10	77	2	32	902	1,792
5-1a—Dundas Street at Islington	S.	1924	1,701	.....	215	61	26	2,003	2,738
	A.	1924	1,206	10	286	52	36	1,590	2,610
	S.	1925	1,039	56	208	76	25	1,404	1,371
	A.	1925	755	7	189	94	28	1,073	1,301
	S.	1926	1,545	43	213	82	18	1,901	2,513
2-18a—Markham Rd. at Danforth Avenue	S.	1924	1,760	7	298	77	78	2,220	2,810
	A.	1924	1,395	4	400	80	96	1,975	2,406
	S.	1925	1,260	50	309	74	69	1,762	2,022
	A.	1925	2,391	55	621	40	247	3,354	4,168
	S.	1926	2,077	66	365	80	73	2,661	3,629
2-18½a—Old Kingston Rd. at Danforth Avenue	A.	1925	1,499	30	267	21	19	1,836	2,075
	S.	1926	2,618	373	275	36	12	3,314	4,396


PERSONS PER MOTOR VEHICLE BY YEARS
IN ONTARIO.
Estimated persons per motor vehicle in Ontario
Projection into future
60
65
71
78
87
96
1930
1929
1928
1927
1926
1925
1924
1923
1922
1921
1920
1919
1918
1917
1916
1915
1914
1913
Years.
Persons per Vehicle
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Toronto Oct. 12th 1926

Report of Motor Vehicles Branch

For years 1923, 1924 and 1925

J. B. BICKELL, Registrar of Motor Vehicles

Registrations—Motor Vehicles, etc.

The motor vehicle registrations have shown a considerable increase and the passenger cars now number 303,736, commercial vehicles 34,690 and motorcycles 3,748, the last named decreasing in number each year. Statistics of the motor vehicle registrations for the calendar years 1923, 1924 and 1925, arranged according to passenger cars, commercial vehicles, motorcycles, trailers, passenger car dealers, commercial vehicle dealers, chauffeurs and garages will be found in Appendix No. 25 to 28.

Issuers of Motor Vehicle Permits.

Agents of the Department for issuing motor vehicle permits were appointed at 89 points in the Province and with the exception of three gave very satisfactory service. A new system of banking was inaugurated whereby the fees collected by the Agent are deposited in a local bank to the credit of the Department. Checks on these accounts are made payable to the Provincial Treasurer only. The system has enabled the Department to more promptly deposit with the Provincial Treasury Department the revenue collected by the Department's out-of-town agents.

Suspension or Cancellation of Motor Vehicle Permits

During 1925 there were recorded 146 convictions of persons operating motor vehicles while intoxicated. Pursuant to Section 46 of the Highway Traffic Act the permits issued for the cars being operated were suspended, if the offence was committed by the owner. If the offender was a chauffeur his license was suspended. If the offender was not the owner of a vehicle or a registered chauffeur, he was prohibited from driving any motor vehicle for a period. These suspensions or prohibitions vary in length of time according to the seriousness of the offence—from three months to one year. Three of those convicted of this offence were American tourists.

There were a total of 157 permits or licenses suspended by convicting Magistrates for such offences as reckless driving, speeding, failure to return to scene of accident and driving while permit or license was suspended.

Garages

In addition to the licensing of garages the Department has employed two Inspectors to supervise these places of business. The duties of these Inspectors briefly are to check up the registration numbers on cars found in, the employment of non-licensed chauffeurs and to assist in the location of stolen cars. In addition to this work the Inspectors visit the Police Departments of the various cities and towns pointing out the condition of affairs found in the garages and suggesting methods of checking, etc.

Chauffeur Examiners

During the year 1925 the examiners of applicants for chauffeur licenses were visited by specially appointed Inspectors and the reports of these Inspectors showed that with but very few exceptions the examiners already appointed are well qualified for their work.

Re Public Vehicles

The licensing and regulating of the public passenger vehicle has during the past year occupied a prominent place in the work of the Branch. The Public Vehicles Act and the Regulations passed thereunder are now being enforced on all the Highways under the jurisdiction of the Department or any township or county council or any suburban or other commission. Operators of these vehicles realizing the value of the regulations as preventative of undue competition have given the Department very little trouble. With but one or two exceptions we have enjoyed the whole hearted co-operation of these operators. While there is the expected claim that the fees charged by the Department are exorbitant the operators complaining are in the minority and usually are those who through lack of patronage or lack of ability are not qualified to manage a bus route and should be in some other line of business. As previously stated there has been real co-operation between the operators and the Department in the matter of time tables, tariff of tolls and in some cases in improving equipment and service.

Applications from prospective operators are becoming more numerous and especially applications for permission to operate on routes which have proven their worth. Following the policy of the Department as adopted when these operators were first licensed, such applications are definitely rejected. If I may be permitted to make an observation I would say that generally speaking competition does not tend to improve the service to the public—opposition seems to create a disregard of time tables and opposing operators appear to think more of securing the business of the other rather than of retaining and increasing their own by a regular and dependable service.

There has been marked improvement in the type of vehicle or bus being used in this service and in the regular operation of the various routes since the Department assumed control under the Public Vehicles Act.

Traffic Officers

The force of Highway Traffic Officers consisted in 1925 of 38 men and their work was I believe very effective. This force acting under instructions from the Registrar of Motor Vehicles is more of a preventative than a punitive force. The Officers have during the past year been even more liberal with their warnings than in previous years. The enforcement of the Headlight Regulations was given special attention and a decided improvement in driving conditions at night has been noted. No prosecutions were made for offences against the Headlight Regulations but we are planning to prosecute those who persist in operating with glaring head lights. The fact that accidents on our Provincial Highways have not increased to any great extent even in face of the enormous increase in local and tourist traffic and that complaints of excessive speeding are seldom received, speaks well for the efficiency of this force.

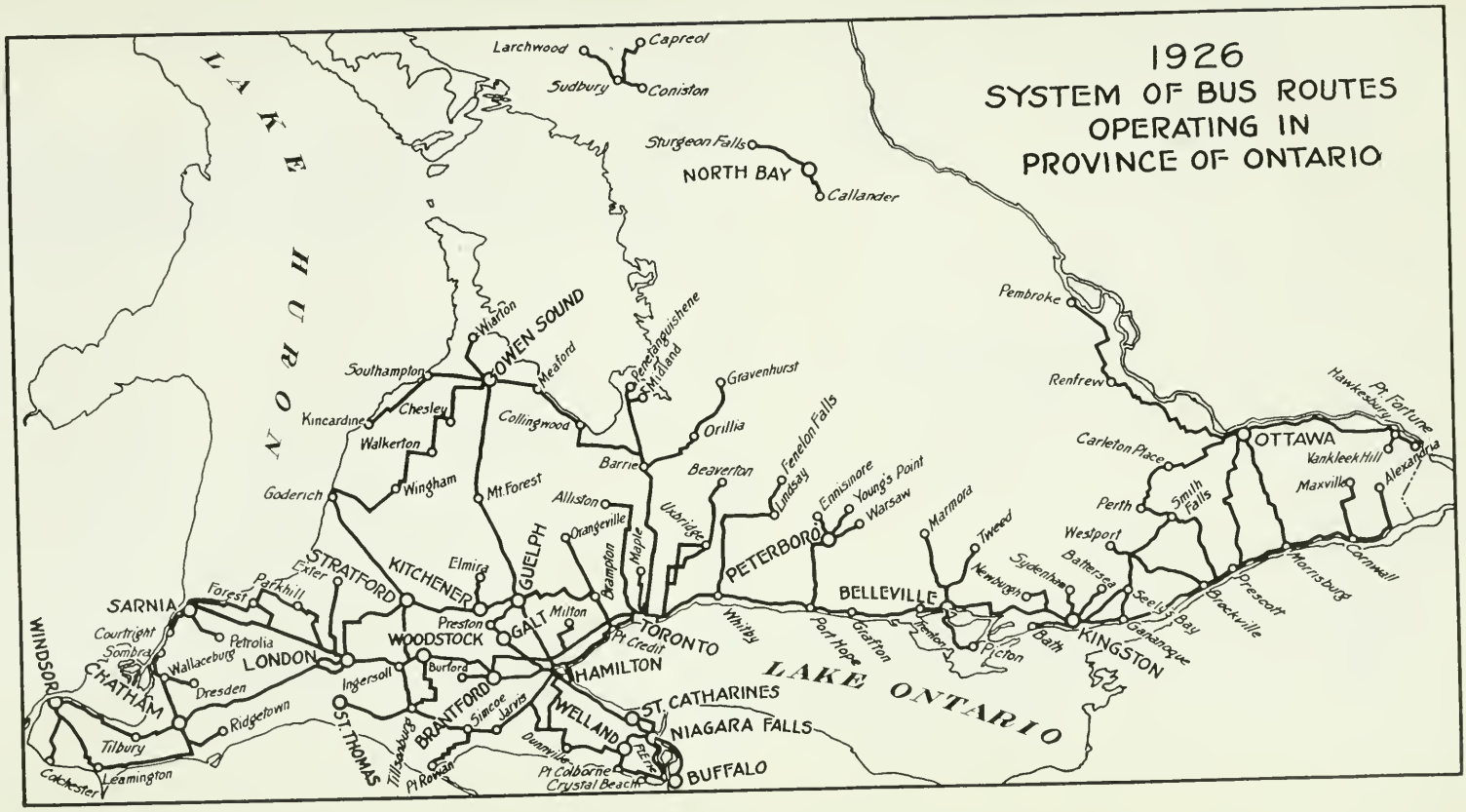
Eastern Conference

The Registrar of Motor Vehicles attended several Meetings of the Eastern Conference of Motor Vehicle Administrators, which is composed of the States of Pennsylvania, Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, Vermont, Virginia, and the Provinces of Quebec and Ontario and was formed for the purpose of procuring, not only uniform laws and regulations respecting the operation of motor vehicles, but in so far as possible uniform methods of administering such laws and regulations. Such subjects as:

(1) The compilation of accident statistics
(2) Compulsory Automobile Insurance
(3) Examination of automobile operators
(4) Interchange of automobile licenses and permits
(5) Load limits for trucks
(6) Headlight testing and enforcement of law, etc.
(7) Drive yourself Systems

and other less important subjects have been discussed to the mutual advantage of the various States and Provinces.

Revenue for the Fiscal Years	1924-1925	1923-1924	1922-1923
Automobile permits	$4,441,348 02	$3,969,341 91	$3,596,097 35
Commercial permits	954,931 63	637,691 50	590,895 00
Trailer permits	6,188 60	4,735 44	3,521 15
Motorcycle permits	14,614 63	15,224 75	16,933 00
Automobile dealers' permits	41,147 84	38,075 65	35,804 50
Commercial dealers' permits	3,491 00	3,000 00	3,229 00
Motorcycle dealers' permits	73 00	48 00	79 00
Chauffeurs	41,057 80	36,137 62	31,526 00
Duplicate cards and badges	493 60	29 00	37 25
Non-professional certificates	23 00	24 00	26 00
Transfers	75,730 57	59,222 46	55,332 00
In transits	8,648 00	6,441 50	8,781 00
Garages	20,761 70	20,133 84	17,022 50
Certificates	18 12	18 50	14 00
Telephone commission	12 62	6 51	11 33
Incomplete applications	260 60	184 25	.....
Testing headlights	25 00	.....	.....
Lists	3,336 84	4,764 75	5,181 88
Fines	45,352 45	30,844 38	2,660 48
Public vehicles	50,918 83	10,837 78	.....
Balance due on 1923 permits	.....	10,406 59	121 03
G. S. McCrea cheque charged back	.....	1,641 45	.....
Overpaid by agents, 1924	.....	504 88	.....
Totals	$5,708,433 85	$4,849,314 76	$4,367,272 47
Less—			
Commissions deducted by agents	$69,132 35	$63,967 60	$59,160 65
Express charges paid by agents	71 78	34 26	36 46
Cheques charged back by Provincial Treasurer	73 00	77 77	1,659 45
Balance due by agents	163 34	.....	10,406 59
Totals	$69,440 47	$64,079 63	$71,263 16
Grand totals	$5,638,993 38	$4,785,235 13	$4,296,009 32
Total fees collected by agents	$4,437,850 75	$3,769,927 25	$3,465,909 75
Total commissions deducted by agents	69,132 25	63,967 60	59,160 65


1926
SYSTEM OF BUS ROUTES
OPERATING IN
PROVINCE OF ONTARIO
LAKE HURON
LAKE ONTARIO
Larchwood
Capreol
Sudbury
Coniston
Sturgeon Falls
NORTH BAY
Callander
Pembroke
Renfrew
Pt. Fortune
Hawkesbury
OTTAWA
Carleton Place
Vankleek Hill
Alexandria
Maxville
Cornwall
Morrisburg
Prescott
Brockville
Smith Falls
Perth
Westport
Sydenham
Battersea
Seeley's Bay
Gananoque
KINGSTON
Newburgh
Tweed
Marmora
Picton
Trenton
BELLEVILLE
Port Hope
Grafton
Cobourg
Whitby
PETERBORO
Lindsay
Fenelon Falls
Ennismore
Young's Point
Warsaw
Beaverton
Uxbridge
Orillia
Gravenhurst
Penetanguishene
Midland
Barrie
Collingwood
Meaford
OWEN SOUND
Wiarton
Southampton
Kincardine
Chesley
Walkerton
Wingham
Goderich
Mt. Forest
Alliston
Orangeville
Brampton
Maple
GUELPH
Elmira
STRATFORD
KITCHENER
Exeter
Parkhill
Forest
SARNIA
Courtright
Sombra
Petrolia
Wallaceburg
LONDON
Preston
GALT
Milton
WOODSTOCK
Ingersoll
Burford
BRANTFORD
Simcoe
Jarvis
HAMILTON
Pt. Credit
TORONTO
Dresden
Ridgetown
Tilbury
Leamington
Colchester
WINDSOR
CHATHAM
ST. THOMAS
Tillsonburg
Pt. Rowan
Dunnville
Pt. Colborne
Crystal Beach
WELLAND
ST. CATHARINES
NIAGARA FALLS
FERRY
BUFFALO

MOTOR VEHICLE REGISTRATIONS AND REVENUE FOR THE YEARS 1904-1925 INCLUSIVE

Year	Passenger cars	Owned in Ontario	Others	Commercial vehicles	Motorcycles	Cycles in Ontario	Others	Chauffeurs	Revenue
1904	535	.....	.....	.....	.....	.....	.....	.....	$1,680 00
1905	553	.....	.....	.....	.....	.....	.....	.....	1,142 00
1906	1,176	517	659	.....	.....	.....	.....	.....	5,523 15
1907	1,530	550	980	.....	.....	.....	.....	.....	8,098 50
1908	1,754	589	1,165	.....	.....	.....	.....	.....	10,007 75
1909	2,452	1,020	1,432	.....	.....	.....	.....	.....	12,418 75
1910	4,230	1,977	2,253	.....	.....	.....	.....	.....	24,394 01
1911	11,339	7,338	4,001	.....	.....	.....	.....	.....	50,831 22
1912	16,266	11,939	4,327	.....	1,754	1,648	106	2,965	73,255 96
1913	23,700	17,750	5,950	.....	2,900	2,650	250	3,514	105,558 95
1914	31,724	25,308	6,416	.....	3,633	3,457	176	3,773	149,210 45
1915	42,346	36,661	5,685	.....	4,174	3,844	330	5,322	334,759 78
1916	51,589	50,587	1,002	2,786	4,287	.....	.....	5,966	639,987 09
1917	78,861	78,475	386	4,929	5,180	.....	.....	8,214	930,753 00
1918	101,845	101,599	246	7,529	5,002	.....	.....	10,629	1,214,093 87
1919	127,860	127,512	348	11,428	5,516	.....	.....	15,400	1,580,146 61
1920	155,861	155,519	342	16,204	5,496	.....	.....	19,563	1,990,833 38
1921	181,978	181,686	292	19,554	4,989	.....	.....	21,808	2,945,360 36
1922	210,333	210,008	325	24,164	4,799	.....	.....	25,301	3,477,430 13
1923	245,815	245,435	380	28,612	4,325	.....	.....	27,033	4,296,009 32
1924	271,341	270,876	465	31,488	3,941	.....	.....	29,676	4,784,697 13
1925	303,736	303,216	520	34,690	3,748	.....	.....	33,740	5,638,993 45

FEES COLLECTED FOR MOTOR VEHICLE PERMITS, ISSUED BY AGENTS DURING THE FISCAL YEAR OCTOBER 31st, 1924, to NOVEMBER 1st, 1925

Location	Amount of fees Collected	Commission
1. Toronto	$498,126 75	$4,446 10
2. Hamilton	353,065 00	5,277 50
3. London	246,109 00	3,993 25
4. Windsor	211,665 75	3,567 85
5. Ottawa	207,027 50	3,179 50
6. Woodbridge	33,868 50	527 50
7. Newmarket	36,040 50	613 50
8. Unionville	28,923 00	475 50
9. Brampton	35,892 00	587 25
10. Milton	19,722 50	338 75
11. St. Catharines	87,797 00	1,357 25
12. Welland	60,628 00	1,002 25
13. Fort Erie	32,470 00	468 50
14. Niagara Falls	69,479 25	1,023 75
15. Dunnville	33,382 00	570 25
16. Simcoe	50,865 00	838 00
17. Port Rowan	7,810 00	131 25
18. Brantford	86,798 00	1,399 00
19. Woodstock	92,339 50	1,551 75
20. Stratford	79,615 50	1,338 50
21. Kitchener	103,263 50	1,631 50
22. Galt	49,950 00	822 50
23. Guelph	64,727 50	1,063 75
24. St. Thomas	90,329 00	1,532 00
25. Chatham	138,896 50	2,377 75
26. Kingsville	42,528 50	719 75
27. Walkerville	66,826 50	975 25
28. Sarnia	81,303 00	1,370 00
29. Wingham	47,042 00	816 25
30. Goderich	29,156 00	498 50
31. Orangeville	38,005 50	658 50
32. Walkerton	22,653 00	383 00

Location	Amount of fees Collected	Commission
33. Kincardine	13,011 00	224 75
34. Wiarton	17,857 00	306 25
35. Meaford	15,562 50	272 25
36. Owen Sound	49,439 50	847 50
37. Hanover	34,326 00	595 25
38. Barrie	50,924 50	873 50
39. Orillia	27,070 50	453 75
40. Midland	22,893 50	386 00
41. Collingwood	23,699 00	397 50
42. Oshawa	70,522 00	1,373 15
43. Beaverton	19,086 00	328 50
44. Port Hope	17,470 50	296 75
45. Lindsay	50,033 50	860 25
46. Cobourg	24,898 50	413 75
47. Campbellford	30,511 00	523 00
48. Peterboro	69,794 00	1,167 50
49. Belleville	80,079 50	1,480 00
50. Tweed	12,582 00	220 00
51. Picton	30,426 50	504 75
52. Napanee	29,926 50	511 50
53. Kingston	60,480 00	987 00
54. Parham	7,268 00	131 50
55. Gananoque	18,783 50	319 75
56. Prescott	15,981 00	268 75
57. Brockville	33,068 50	520 00
58. Smith's Falls	33,795 00	580 50
59. Carleton Place	14,305 00	247 00
60. Pembroke	25,905 00	440 50
61. Arnprior	11,856 00	205 75
62. Renfrew	16,088 00	270 00
63. Kemptville	11,725 00	202 25
64. Winchester	25,667 50	440 00
65. Cornwall	38,405 00	647 50
66. Alexandria	12,237 00	213 00
67. Vankleek Hill	21,718 50	360 50
68. Gravenhurst	13,034 50	218 75
69. Gore Bay	5,389 00	95 75
70. Parry Sound	7,082 00	123 50
71. North Bay	21,459 00	354 00
72. Bruce Mines	4,761 00	80 75
73. Sault Ste. Marie	39,898 50	643 25
74. Cobalt	23,960 50	364 25
75. Timmins	13,227 00	202 75
76. Fort William	36,417 50	583 00
77. Port Arthur	27,299 50	448 00
78. Fort Francis	14,235 00	234 50
79. Kenora	3,664 00	62 50
80. Burk's Falls	10,897 50	191 00
81. Powassan	5,978 00	106 50
82. Sturgeon Falls	8,169 00	135 00
83. Espanola	4,854 00	81 50
84. Harriston	30,415 00	530 50
85. Thessalon	7,459 00	117 75
86. Bowmanville	14,630 00	249 00
87. Cochrane	3,193 00	55 25
88. Sudbury	28,696 00	462 00
89. Clinton	22,429 50	387 00
	$4,437,850 75	$69,132 35

SUMMARY OF CONVICTIONS REGISTERED UNDER THE HIGHWAY TRAFFIC ACT 1925 (CALENDAR YEAR)

	Section violated	Offence	Number of convictions
1.	5	No registration plates	197
2.	6	Defaced registration plates	87
3.	7 (1)	Improper registration plates	38
4.	7 (3)	Dirty registration plates	116
5.	10 (1)	No lights	525
6.	10 (2)	Too many lights of over 4 c.p.	46
7.	10 (7)	No rear lights	79
8.	10 (13)	Revolving light	23
9.	12	Trucks without mirrors	64
10.	14	Unnecessary noise	21
11.	17	No chauffeur license	111
12.	22	No garage license	7
13.	24	Exceeding speed limit	16,350
14.	25	Reckless driving	2,127
15.	26	Racing	14
16.	27	Speeding (heavy trucks)	21
17.	32	Excess load in March and April	124
18.	38 (1)	Passing standing street car	48
19.	38 (2)	Passing street car on wrong side	64
20.	41	Failure to return to scene of accident	61
21.	44	Operating while under age	88
22.	45	Persons hiring vehicles without licenses	5
23.	46	Driving while intoxicated	146
24.		Miscellaneous	159

Total fines, $151,983; total costs, $55,317.35; total convictions, 20,958; total fines received by Provincial Treasurer, $31,783.

NOTE.—Fines imposed for offences committed on other than Provincial Highways are paid to the municipality in which the offence is committed.

PUBLIC VEHICLES—1925

Total lines operated	91
Total busses licensed	210

	Country Roads	Provincial Highways
Total length of routes operated	595 miles	1,417 miles
Number of routes less than 15 miles	21	30
Number of routes over 15 and under 25	12	12
Number of routes over 25 and under 50	4	5
Number of routes over 50	...	7
Total vehicle miles per month	99,446	179,225

APPENDIX No. 25

PASSENGER CARS REGISTERED—1923

Counties		Cities		Total
Algoma	939	Sault Ste. Marie	1,354	2,293
Brant	1,977	Brantford	2,136	4,113
Bruce	4,000	....	....	4,000
Carleton	2,455	Ottawa	6,143	8,598
Dufferin	1,813	....	....	1,813
Dundas	1,616	....	....	1,616
Durham	2,117	....	....	2,117
Elgin	3,596	St. Thomas	1,559	5,155
Essex	8,192	Windsor	4,888	13,080
Frontenac	1,607	Kingston	1,493	3,100
Glengarry	981	....	....	981
Grenville	1,093	....	....	1,093
Grey	4,140	Owen Sound	970	5,110
Haldimand	2,860	....	....	2,860
Haliburton	193	....	....	193
Halton	2,638	....	....	2,638
Hastings	3,943	Belleville	1,103	5,046
Huron	4,811	....	....	4,811
Kenora	261	....	....	261
Kent	6,262	Chatham	1,682	7,944
Lambton	4,300	Sarnia	1,553	5,853
Lanark	2,320	....	....	2,320
Leeds	2,927	....	....	2,927
Lennox and Addington	1,715	....	....	1,715
Lincoln	2,503	St. Catharines	1,732	4,235
Manitoulin	503	....	....	503
Middlesex	5,497	London	5,636	11,133
Muskoka	1,015	....	....	1,015
Nipissing	1,244	....	....	1,244
Norfolk	2,781	....	....	2,781
Northumberland	2,936	....	....	2,936
Ontario	4,220	....	....	4,220
Oxford	4,574	Woodstock	790	5,364
Parry Sound	1,000	....	....	1,000
Peel	2,575	....	....	2,575
Perth	3,740	Stratford	1,379	5,119
Peterboro	1,898	Peterboro	1,546	3,444
Prescott	1,047	....	....	1,047
Prince Edward	1,848	....	....	1,848
Rainy River	761	....	....	761
Renfrew	2,621	....	....	2,621
Russell	672	....	....	672
Simcoe	6,651	....	....	6,651
Stormont	1,708	....	....	1,708
Sudbury	1,331	....	....	1,331
Thunder Bay	461	Fort William	1,172	....
		Port Arthur	986	2,619
Temiskaming	1,359	....	....	1,359
Victoria	2,795	....	....	2,795
Waterloo	3,989	Galt	1,059	
		Kitchener	2,081	7,129
Welland	4,061	Niagara Falls	1,799	
		Welland	934	6,794
Wellington	3,422	Guelph	1,416	4,838
Wentworth	3,393	Hamilton	9,627	13,020
York	8,294	Toronto	46,742	55,036
Foreign	380	....	....	380
	146,035		99,780	245,815

OCCUPATIONS

Farmers	75,583	
Merchants	21,395	
Professional	13,612	
Livery and garages	6,539	
Commercial travellers	8,523	
Manufacturers	6,897	
Tradesmen	34,383	
Agents	9,807	
Contractors	5,342	
Managers	11,023	
Unclassified	35,411	
Unoccupied	16,524	
Municipal corporations	254	
Public utilities	97	
Banks	20	
Railways	8	
Dominion Government	102	
Ontario Government	296	
	245,815	

Horse Power

Fords 22.5	118,052	
15	112	
16-20	35,553	
21-25	64,445	
26-30	23,111	
31-35	2,229	
36-40	1,715	
41-45	336	
46-50	137	
51-up	35	
Electric	90	
		245,815

Motive Power

Gasoline	245,720	
Electric	90	
Steam	5	
		245,815

Registrations

Original	42,419	
Renewal	203,396	
		245,815

Models

Touring cars	187,762	
Runabouts	14,958	
Sedans	24,625	
Coupes	18,401	
Taxicabs	69	
		245,815

Cylinders

Less than 4 cylinders	11	
4 cylinders	215,586	
6 cylinders	28,085	
8 cylinders	1,807	
12 cylinders	236	
Electric	90	
		245,815

COMMERCIAL CARS REGISTERED—1923

Counties		Cities		Total
Algoma	115	Sault Ste. Marie	127	242
Brant	140	Brantford	363	503
Bruce	180	....	....	180
Carleton	221	Ottawa	1,025	1,246
Dufferin	70	....	....	70
Dundas	58	....	....	58
Durham	91	....	....	91
Elgin	154	St. Thomas	153	307
Essex	991	Windsor	843	1,834
Frontenac	60	Kingston	278	338
Glengarry	32	....	....	32
Grenville	90	....	....	90
Grey	150	Owen Sound	92	242
Haldimand	177	....	....	177
Haliburton	5	....	....	5
Halton	336	....	....	336
Hastings	227	Belleville	152	379
Huron	220	....	....	220
Kenora	35	....	....	35
Kent	352	Chatham	255	607
Lambton	234	Sarnia	150	384
Lanark	106	....	....	106
Leeds	210	....	....	210
Lennox and Addington	105	....	....	105
Lincoln	498	St. Catharines	436	934
Manitoulin	8	....	....	8
Middlesex	283	London	961	1,244
Muskoka	82	....	....	82
Nipissing	101	....	....	101
Norfolk	219	....	....	219
Northumberland	185	....	....	185
Ontario	376	....	....	376
Oxford	342	Woodstock	106	448
Parry Sound	57	....	....	57
Peel	334	....	....	334
Perth	180	Stratford	156	336
Peterboro	88	Peterboro	184	272
Prescott	68	....	....	68
Prince Edward	136	....	....	136
Rainy River	54	....	....	54
Renfrew	147	....	....	147
Russell	51	....	....	51
Simcoe	469	....	....	469
Stormont	87	....	....	87
Sudbury	118	....	....	118
Thunder Bay	36	Fort William	202	
		Port Arthur	136	374
Temiskaming	185	....	....	185
Victoria	181	....	....	181
Waterloo	266	Galt	131	
		Kitchener	295	692
Welland	439	Niagara Falls	313	
		Welland	121	873
Wellington	148	Guelph	169	317
Wentworth	587	Hamilton	1,640	2,227
York	1,447	Toronto	8,425	9,872
Foreign	368	....	....	368
	11,959		16,653	28,612

OCCUPATIONS

Farmers	3,802	
Merchants	9,333	
Professional	143	
Livery and garages	1,015	
Commercial travellers	142	
Manufacturers	2,858	
Tradesmen	1,948	
Agents	604	
Contractors	5,304	
Managers	252	
Unclassified	1,458	
Onoccupied	309	
Municipal corporations	535	
Public utilities	522	
Banks	24	
Railways	61	
Dominion Government	166	
Ontario Government	186	
		28,612

Tonnage

½	9,940	
1	11,693	
1½	3,291	
2	1,387	
2½	519	
3	479	
3½	420	
4	163	
4½	118	
5	472	
5½	3	
6	14	
6½	4	
7	1	
Up	....	
Fire trucks	108	
		28,612

Motive Power

Gasoline	28,552	
Electric	56	
Steam	4	
		28,612

Registrations

Original	5,691	
Renewal	22,921	
		28,612

Models

Busses	456	
Delivery	4,838	
Trucks	22,718	
Ambulance	94	
Hearse	336	
Casket wagons	27	
Patrols	14	
Fire Trucks	108	
Street cleaners	21	
		28,612

APPENDIX No. 26

PASSENGER CARS REGISTERED—1924

Counties		Cities		Total
Algoma	1,167	Sault Ste. Marie	1,650	2,817
Brant	1,995	Brantford	2,332	4,327
Bruce	4,562	....	....	4,562
Carleton	2,767	Ottawa	6,854	9,621
Dufferin	1,856	....	....	1,856
Dundas	1,822	....	....	1,822
Durham	2,315	....	....	2,315
Elgin	3,924	St. Thomas	1,705	5,629
Essex	8,977	Windsor	5,829	14,806
Frontenac	1,716	Kingston	1,609	3,325
Glengarry	1,049	....	....	1,049
Grenville	1,297	....	....	1,297
Grey	4,331	Owen Sound	1,062	5,393
Haldimand	3,039	....	....	3,039
Haliburton	312	....	....	312
Halton	2,767	....	....	2,767
Hastings	4,304	Belleville	1,155	5,459
Huron	4,978	....	....	4,978
Kenora	261	....	....	261
Kent	6,422	Chatham	1,747	8,169
Lambton	4,627	Sarnia	1,725	6,352
Lanark	2,519	....	....	2,519
Leeds	3,194	....	....	3,194
Lennox and Addington	1,839	....	....	1,839
Lincoln	2,746	St. Catharines	1,962	4,708
Manitoulin	575	....	....	575
Middlesex	6,017	London	6,098	12,115
Muskoka	1,260	....	....	1,260
Nipissing	1,627	....	....	1,627
Norfolk	2,961	....	....	2,961
Northumberland	3,124	....	....	3,124
Ontario	3,276	Oshawa	1,478	4,754
Oxford	4,964	Woodstock	929	5,893
Parry Sound	1,134	....	....	1,134
Peel	2,678	....	....	2,678
Perth	3,960	Stratford	1,606	5,566
Peterboro	2,088	Peterboro	1,920	4,008
Prescott	1,138	....	....	1,138
Prince Edward	2,000	....	....	2,000
Rainy River	910	....	....	910
Renfrew	2,908	....	....	2,908
Russell	861	....	....	861
Simcoe	7,392	....	....	7,392
Stormont	1,802	....	....	1,802
Sudbury	1,556	....	....	1,556
Thunder Bay	561	Fort William	1,481	
		Port Arthur	1,246	3,288
Temiskaming	1,992	....	....	1,992
Victoria	2,913	....	....	2,913
Waterloo	4,435	Galt	1,152	
		Kitchener	2,300	7,887
Welland	4,632	Niagara Falls	2,091	
		Welland	962	7,685
Wellington	3,519	Guelph	1,567	5,086
Wentworth	3,653	Hamilton	10,790	14,443
York	10,208	Toronto	50,696	60,904
Foreign	465	....	....	465
	159,395		111,946	271,341

PASSENGER CARS REGISTERED—1924

Horse Power		
Fords, 22.5	128,921	
15	73	
16-20	42,248	
21-25	71,487	
26-30	24,184	
31-35	2,240	
36-40	1,709	
41-45	286	
46-50	107	
51-up	3	
Electric	83	
		271,341
Motive Power		
Gasoline	271,253	
Electric	83	
Steam	5	
		271,341
Registrations		
Original	34,241	
Renewal	237,100	
		271,341
Models		
Touring cars	194,721	
Runabout	15,415	
Sedan	36,231	
Coupe	24,736	
Taxicab	238	
		271,341
Cylinders		
Less than 4 cylinders	1	
4 cylinders	235,839	
6 cylinders	33,344	
8 and 12 cylinders	2,074	
Electric	83	
		271,341

COMMERCIAL CARS REGISTERED—1924

Counties		Cities		Total
Algoma	98	Sault Ste. Marie	179	277
Brant	168	Brantford	375	543
Bruce	197	....	....	197
Carleton	239	Ottawa	1,061	1,300
Dufferin	78	....	....	78
Dundas	86	....	....	86
Durham	99	....	....	99
Elgin	272	St. Thomas	163	435
Essex	1,097	Windsor	986	2,083
Frontenac	102	Kingston	219	321
Glengarry	45	....	....	45
Grenville	103	....	....	103
Grey	183	Owen Sound	106	289
Haldimand	192	....	....	192
Haliburton	80	....	....	80
Halton	359	....	....	359
Hastings	236	Belleville	174	410
Huron	243	....	....	243
Kenora	54	....	....	54
Kent	438	Chatham	303	741
Lambton	267	Sarnia	168	435
Lanark	111	....	....	111
Leeds	269	....	....	269
Lennox and Addington	150	....	....	150
Lincoln	527	St. Catharines	399	926
Manitoulin	14	....	....	14
Middlesex	330	London	999	1,329
Muskoka	98	....	....	98
Nipissing	117	....	....	117

Counties		Cities		Total
Norfolk	287		....	287
Northumberland	285		....	285
Ontario	320	Oshawa	158	478
Oxford	360	Woodstock	168	528
Parry Sound	76		....	76
Peel	381		....	381
Perth	283	Stratford	183	466
Peterboro	94	Peterboro	203	297
Prescott	87		....	87
Prince Edward	163		....	163
Rainy River	62		....	62
Renfrew	174		....	174
Russell	80		....	80
Simcoe	478		....	478
Stormont	137		....	137
Sudbury	151		....	151
Thunder Bay	79	Fort William	256	
		Port Arthur	161	496
Temiskaming	257		....	257
Victoria	177		....	177
Waterloo	278	Galt	140	
		Kitchener	307	725
Welland	528	Niagara Falls	323	
		Welland	172	1,023
Wellington	195	Guelph	175	370
Wentworth	652	Hamilton	1,683	2,335
York	1,680	Toronto	8,544	10,224
Foreign	367		....	367
	13,883		17,605	31,488

Tonnage		
½	11,624	
1	12,897	
1½	3,190	
2	1,257	
2½	598	
3	526	
3½	412	
4	253	
4½	91	
5	359	
5½	2	
6	1	
6½	1	
Municipal	277	
		31,488
Registrations		
Original	8,390	
Renewal	23,098	
		31,488
Models		
Busses	384	
Delivery	4,748	
Trucks	25,666	
Ambulance	119	
Hearse	388	
Patrols	9	
Fire Trucks	138	
Street Cleaners	22	
Tractors	14	
		31,488

APPENDIX No. 27

PASSENGER CARS REGISTERED—1925

Counties		Cities		Total
Algoma	1,634	Sault Ste. Marie	1,861	3,495
Brant	2,299	Brantford	2,564	4,863
Bruce	4,987	....	....	4,987
Carleton	2,937	Ottawa	7,823	10,760
Dufferin	2,018	....	....	2,018
Dundas	1,980	....	....	1,980
Durham	2,517	....	....	2,517
Elgin	4,214	St. Thomas	2,184	6,398
Essex	10,197	Windsor	6,311	16,508
Frontenac	1,985	Kingston	1,866	3,851
Glengarry	1,212	....	....	1,212
Grenville	1,473	....	....	1,473
Grey	4,993	Owen Sound	1,161	6,154
Haldimand	3,481	....	....	3,481
Haliburton	359	....	....	359
Halton	3,049	....	....	3,049
Hastings	4,982	Belleville	1,396	6,378
Huron	5,713	....	....	5,713
Kenora	394	....	....	394
Kent	6,591	Chatham	1,916	8,507
Lambton	5,392	Sarnia	1,961	7,353
Lanark	2,775	....	....	2,775
Leeds	3,573	....	....	3,573
Lennox and Addington	2,044	....	....	2,044
Lincoln	2,930	St. Catharines	2,191	5,121
Manitoulin	554	....	....	554
Middlesex	6,275	London	6,982	13,257
Muskoka	1,640	....	....	1,640
Nipissing	1,493	North Bay	906	2,399
Norfolk	3,511	....	....	3,511
Northumberland	3,281	....	....	3,281
Ontario	3,520	Oshawa	1,676	5,196
Oxford	5,272	Woodstock	1,026	6,298
Parry Sound	1,703	....	....	1,703
Peel	3,295	....	....	3,295
Perth	4,252	Stratford	1,779	6,031
Peterboro	2,400	Peterboro	1,965	4,365
Prescott	1,280	....	....	1,280
Prince Edward	2,233	....	....	2,233
Rainy River	892	....	....	892
Renfrew	3,284	....	....	3,284
Russell	1,005	....	....	1,005
Simcoe	8,454	....	....	8,454
Stormont	2,082	....	....	2,082
Sudbury	974	....	....	974
Thunder Bay	596	Fort William	1,601	
		Port Arthur	1,336	3,533
Temiskaming	2,369	....	....	2,369
Victoria	3,297	....	....	3,297
Waterloo	4,951	Galt	1,287	
		Kitchener	2,466	8,704
Welland	6,039	Niagara Falls	2,362	
		Welland	1,254	9,655
Wellington	3,606	Guelph	1,791	5,397
Wentworth	3,857	Hamilton	11,524	15,381
York	11,514	Toronto	56,841	68,355
Foreign	348	....	....	348
	177,706		126,030	303,736

Horse-power			
4-cylinder less than 25 horse-power	256,199		
4-cylinder more than 25 and up to 35 horse-power	3,383		
4-cylinder less than 35 and up to 50 horse-power	28		
		259,610	
6-cylinder less than 25 horse-power	15,327		
6-cylinder more than 25 and up to 35 horse-power	24,627		
6-cylinder more than 35 and up to 50 horse-power	1,706		
6-cylinder more than 50 horse-power	107		
		41,767	
8-12-cylinder more than 25 and up to 35 horse-power	3		
8-12-cylinder more than 35 and up to 50 horse-power	1,813		
8-12-cylinder more than 50 horse-power	463		
		2,279	
Electric	80	80	
			303,736
Models			
Open cars		213,468	
Closed cars		90,268	
			303,736
Registrations			
Originals		40,377	
Renewals		263,359	
			303,736

Occupations		
Farmers	86,434	
Merchants	23,332	
Professional	17,487	
Liveries and Garages	4,895	
Salesmen, Travellers, etc.	17,018	
Manufacturers	7,431	
Tradesmen	43,907	
Managers	16,324	
Unclassified	52,117	
Unoccupied	33,834	
Municipal	574	
Dominion Government	77	
Ontario Government	306	
		303,736

COMMERCIAL CARS REGISTERED—1925

Counties		Cities		Total
Algoma	116	Sault Ste. Marie	178	294
Brant	197	Brantford	367	564
Bruce	216	....	....	216
Carleton	316	Ottawa	1,191	1,507
Dufferin	84	....	....	84
Dundas	100	....	....	100
Durham	166	....	....	166
Elgin	243	St. Thomas	193	436
Essex	1,404	Windsor	1,088	2,492
Frontenac	147	Kingston	226	373
Glengarry	61	....	....	61
Grenville	148	....	....	148
Grey	192	Owen Sound	124	316
Haldimand	247	....	....	247
Haliburton	145	....	....	145
Halton	280	....	....	280
Hastings	260	Belleville	194	454
Huron	286	....	....	286
Kenora	48	....	....	48
Kent	452	Chatham	332	784
Lambton	352	Sarnia	201	553
Lanark	113	....	....	113
Leeds	271	....	....	271
Lennox and Addington	191	....	....	191
Lincoln	566	St. Catharines	428	994
Manitoulin	23	....	....	23
Middlesex	460	London	1,035	1,495
Muskoka	130	....	....	130

COMMERCIAL CARS REGISTERED—1925—Continued

Counties		Cities		Total
Nipissing	63	North Bay	71	134
Norfolk	340	....	....	340
Northumberland	345	....	....	345
Ontario	243	Oshawa	214	457
Oxford	419	Woodstock	158	577
Parry Sound	107	....	....	107
Peel	531	....	....	531
Perth	225	Stratford	184	409
Peterboro	136	Peterboro	224	360
Prescott	146	....	....	146
Prince Edward	135	....	....	135
Rainy River	71	....	....	71
Renfrew	190	....	....	190
Russell	76	....	....	76
Simcoe	540	....	....	540
Stormont	171	....	....	171
Sudbury	190	....	....	190
Thunder Bay	95	Fort William	254	
		Port Arthur	177	526
Temiskaming	283	....	....	283
Victoria	208	....	....	208
Waterloo	368	Galt	164	
		Kitchener	276	808
Welland	601	Niagara Falls	355	
		Welland	146	1,102
Wellington	193	Guelph	214	407
Wentworth	760	Hamilton	1,826	2,586
York	1,819	Toronto	9,030	10,849
Foreign	371	....	....	371
	15,840		18,850	34,690

Tires

Pneumatic	28,133	
Solid	5,814	
Municipal	370	
Ontario Government	211	
Dominion Government	162	
		34,690

Gross Weights—Pneumatic Tires

Less than two tons	11,847	
Of two tons and up to three tons	13,388	
More than three tons and up to four tons	1,826	
More than four tons and up to five tons	648	
More than five tons and up to six tons	223	
More than six tons and up to seven tons	129	
More than seven tons and up to eight tons	55	
More than eight tons and up to nine tons	10	
More than nine tons and up to ten tons	7	
		28,133

Gross Weights—Solid Tires

Less than two tons	163	
Of two tons and up to three tons	2,340	
More than three tons and up to four tons	328	
More than four tons and up to five tons	484	
More than five tons and up to six tons	681	
More than six tons and up to seven tons	442	
More than seven tons and up to eight tons	592	
More than eight tons and up to nine tons	326	
More than nine tons and up to ten tons	158	
More than ten tons and up to eleven tons	100	
More than eleven tons and up to twelve tons	200	
Municipal	370	
Ontario Government	211	
Dominion Government	162	
		6,557
		34,690

Commercial Occupations

Farmers	4,727	
Merchants	11,925	
Busses	254	
Cartage and express less than 3 tons gross	1,477	
Cartage and express more than 3 tons gross	2,201	
Manufacturers	2,737	
Tradesmen	2,279	
Contractors, 3 tons gross or less	912	
Contractors, more than 3 tons gross	1,050	
Unclassified	6,385	
Municipal	370	
Dominion Government	162	
Ontario Government	211	
		34,690

APPENDIX No. 28

Motorcycle Registrations—	1923	1924	1925
Cities	3,057	2,601	2,460
Counties	1,268	1,340	1,288
Totals	4,325	3,941	3,748

Chauffeur Licenses—	1923	1924	1925
Cities	17,853	19,372	21,317
Counties	9,180	10,304	12,423
Totals	27,033	29,676	33,740

Trailer Permits—	1923	1924	1925
Cities	329	439	550
Counties	262	339	508
Totals	591	778	1,058

Dealers' Permits (Cars)—	1923	1924	1925
Cities	777	875	815
Counties	921	939	839
Totals	1,698	1,814	1,654

Dealers' Permits (Trucks)—	1923	1924	1925
Cities	77	67	59
Counties	13	12	9
Totals	90	79	68

Motorcycle Dealers—	1923	1924	1925
Totals	13	13	13

Class "A" Garages—	1923	1924	1925
Cities	674	729	759
Counties	740	891	890
Totals	1,440	1,622	1,649

Class "B" Garages—	1923	1924	1925
Cities	291	365	362
Counties	328	492	519
Totals	619	857	881

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